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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1917.

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PART I.

THE

WEEKLY WEATHER REPORT

(VOL. XXXIV.—NEW SERIES).

SECTION 1.—Particulars of Temperature, Rainfall and Bright Sunshine for each week, with quarterly and annual summaries, and an annual table of weekly and progressive values.

Published by the Authority of the Meteorological Committee.

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1918.

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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1917, PARTS I. & II.

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PREFACE.

For the convenience of libraries and others the various serial statistical publications of the Meteorological Office have been grouped since 1911 under the general title British Meteorological and Magnetic Year-book. The Year-book is in five parts :—

Part I.—The Weekly Weather Report. Issued weekly on Friday. Price 6*d*. Appendix I issued quarterly, Appendix II, annually.

Part II.—The Monthly Weather Report. Issued monthly on the 27th of each month, with a summary issued annually. Price 6*d*. each issue.

Part III.—Section I. Daily readings at stations of the First and Second Orders. Issued in monthly parts within about five weeks of the close of each month. Price 6*d*. each part. Annual Volume, 5*s*.

Section 2. The Geophysical Journal of the Observatories of the Meteorological Office. Issued in Monthly Parts. Price 1*s*. each part. Annual Volume, 10*s*.

Part IV.—Hourly Values from Autographic Records. Published at the end of each year. Price, 5*s*.

Part V.—Réseau Mondial. Monthly Values for Stations distributed over the Globe. Published in Yearly Volumes.

THE WEEKLY WEATHER REPORT.

The Weekly Weather Report consists of two sections. Section I. contains mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and summaries of the autographic records of wind. The publication of Section II. which consists of daily weather charts of the North Atlantic and surrounding continents has been suspended since August 1914.

The arrangement of Section I is explained in the Guide to the Tables of the Weekly Weather Report.

A few minor changes were made in the form of this Section at the beginning of 1917. The columns in Table IV. were re-arranged and the distinction between the types used for District-Value stations and additional stations was given up. In Table V. the headings were altered to show the classification of the winds according to speed instead of according to the Beaufort Scale. It should be explained that this alteration indicates a change of some importance in the point of view from which wind observations are regarded. In the table of "probable equivalents" of the Beaufort Scale published in 1906 there is no reference to the height at which the "equivalent" wind was to be measured so that the reader was left to suppose that the height was immaterial, and that at any rate when there were no obvious obstructions the wind speed would be the same at all reasonable heights. Investigation having shown that such a supposition is incorrect a convention that the equivalents refer to the wind at 10 metres above ground in the open has been adopted and the use of the Table of Equivalents for Anemometers at heights other than 10 metres has been given up.

A small change in the Table of Wind Components (Table II.) was made in the twenty-[illegible] week of the year. From that date the frequencies of the different components have been referred to the maximum 28 instead of to the maximum 7. This change simplifies the rules according to which the Table is constructed.

The new District-Value stations incorporated in the 1917 Report were Rhayader which took the place of Llangammarch Wells from the fourth week, and Ford substituted for Poltalloch in the twenty-sixth week. Observations from Strathpeffer were interrupted from the eleventh week and Bettws-y-Coed fell out from the forty-fourth week.

STATIONS AND DISTRICTS.

The stations used in the preparation of the Report and the districts into which the British Isles are divided for meteorological purposes are shown in the Frontispiece Map. Particulars of the stations will be found in the Introduction to the Monthly Weather Report or in Circular 001 J.

At the beginning of the year the boundary of Districts 4 and 8 was adjusted to agree with the county boundary between Gloucester and Somerset, so that Clifton which had been in District 8 was placed in District 4 and Bath was moved from District 4 to District 8.

APPENDICES.

Appendix I. shows for each quarter and for the whole year (1) the number of rain-days, (2) the total rainfall and its percentage of the normal, (3) the mean temperature and its difference from the normal and (4) the duration of bright sunshine and its percentage of the normal.

In addition to the normals for the 35 years 1881–1915 figures are given for the years 1911 to 1917, and for each of the six lustra in the period 1881–1915. The corresponding data for the individual years 1878–1910 are given in the Appendix for 1910 so that this Appendix presents in a convenient form the character of the seasons throughout the period of 39 years.

Appendix II. contains a résumé of the District Values for the weeks of the year. It is prepared with a view to discussion of the influence of weather on crops or on the public health.

(16803—19.) Wt. 153—442. 450. 4/18. D & S. G. 17/ 40.

HISTORY OF THE WEEKLY WEATHER REPORT.

The first number of the Weekly Weather Report was that for the first week of February, 1878. There were four pages royal 8vo. A new series commenced in 1884 when the page was enlarged to its present size. A short history of the Report is given in the introduction for 1916. For further information reference may be made to the Annual Report of the Meteorological Committee 1912–1918.

DISTRICT-VALUE STATIONS, 1917.

District.	Temperature and Rainfall.	Sunshine.	Pressure.
0	Lerwick, Stornoway, Wick, Glencarron, Fort Augustus, Fort William.	Deerness, Stornoway, Fort Augustus	Lerwick, Deerness, Stornoway, Castlebay, Wick.
1	Nairn, Gordon Castle, Aberdeen, Balmoral, Crieff, Leith, West Linton, Marchmont.	Crathes, Nairn, Aberdeen, Dundee, Marchmont, Edinburgh.	Nairn, Aberdeen, Leith.
2	Alnwick, Tynemouth, Durham, Rounton, Scarborough, York, Spurn Hd., Lincoln, Fulbeck.	Cockle Park, Durham, Scarborough, York, Rauceby, Skegness.	Tynemouth, Spurn Head.
3	Cromer, Little Massingham, Yarmouth, Norwich, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Cromer, Little Massingham, Yarmouth, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Yarmouth, Clacton-on-Sea.
4	Harrogate, Bawtry, Nottingham, Birmingham, Raunds, Oxford, Cheadle, Shrewsbury, Hereford, Clifton.	Harrogate, Worksop, Nottingham, Birmingham, Oxford, Sheffield, Clifton.	Nottingham, Benson.
5	Kew, Marlborough, Margate, Wisley, Salisbury, Tunbridge Wells, Dungeness, St. Leonards, Southampton, Ventnor.	Kew, Marlborough, Margate, Wisley, Worthing, Tunbridge Wells, Dover, St. Leonards, Southampton, Ventnor.	Dungeness, Dover, Kew.
6	Ford, Glasgow, Rothesay, Kilmarnock, Colmonell, Dumfries, Cally, Douglas.	Glasgow, Douglas	Glasgow, Eskdalemuir
7	Aspatria, Newton Rigg, Stonyhurst, Blackpool, Southport, Liverpool, Hawarden Br., Manchester (Whit. Pk.), Llandudno, Holyhead, Bettws-y-Coed.	Hoylake, Aspatria, Newton Rigg, Stonyhurst, Blackpool, Southport, Llandudno, Bettws-y-Coed, Aberdovey.	Liverpool, Holyhead.
8	Rhayader, Pembroke, Cardiff, Bath, Shaftesbury, Arlington, Cullompton, Portland, Plymouth, Falmouth.	Aberystwyth, Rhayader, Pembroke, Cullompton, Plymouth, Falmouth, Newquay.	Pembroke, Portland.
9	Malin Hd., Blacksod Point, Markree Castle, Birr Castle, Armagh, Donaghadee.	Markree Castle, Armagh	Malin Head, Blacksod Point, Donaghadee.
10	Dublin (City), Kilkenny, Waterford, Birr Castle, Foynes, Cahir, Killarney, Valencia, Roches Pt.	Dublin (Phœnix Park), Birr Castle, Valencia, Ballinacurra.	Valencia, Roches Point, Birr Castle.
11	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey.

Meteorological Office.
London, S.W. 7.
April, 1918.

NAPIER SHAW,
Director.

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METEOROLOGICAL OFFICE.

WEEKLY WEATHER REPORT, 1917.

GUIDE TO THE TABLES CONTAINED IN THE WEEKLY ISSUES.

The first page gives a summary of the whole information for the week as much as possible in words and as little as possible in figures. It begins with a general summary in words and then a summary of wind components based upon the records of anemometers in different parts of the country. The numerical summary of temperature, rainfall and sunshine for each district is given on the fourth page. The summaries are based on the information for the individual stations set out on the two inner pages.

Table II. Wind Components.

This table gives the reader an idea of the character of the weather of the week as regards the frequency of northerly, southerly, easterly or westerly winds, information which is frequently required, especially by medical officers, when the conditions favourable to warmth, rainfall and sunshine are under consideration.

The table gives the frequency of occurrence and the mean value for the week of the components of wind as recorded at Deerness (Scotland, N.), Edinburgh, Great Yarmouth (England, E.), Kew Observatory, Richmond (London), Holyhead (North Wales), Scilly (England, S.W.), Kingstown (Dublin) and Valencia Observatory, Cahirciveen (Ireland, S.W.).

The strength of the wind at Edinburgh is measured by a Dines tube-anemograph, at the other stations by cup-anemographs of the Robinson pattern. Particulars as to the heights at which the anemometers are exposed will be found in the Wind-Section of the Annual Summary of the Monthly Weather Report, 1916. The records obtained are tabulated hourly; directions are given to the nearest even point, and the values of the wind components are worked out daily for the four hours centering at 3h., 9h., 15h. and 21h. The results for the 28 hours thus selected to represent the week are then examined and the number of times on which components from any cardinal direction occurs, divided by four to reduce the total to 7 and rounded off to the nearest whole number, is the frequency of that direction as printed in the column headed "Frequency." If the component occurs once in the 28 hours, the entry is ¼; if twice, 1; if three times, 1. The frequency numbers may therefore be taken to represent the number of days in the week on which the particular wind component prevailed. The frequency of calm is obtained similarly. Direction is not tabulated when the speed of the wind is less than 1·5 metres per second, and winds of less than that velocity are counted as "calm."

The values of mean wind-velocity are the sums of the several components at the hours mentioned divided by the number of times they occur. It will be noticed that if the mean direction for the hour is within 1 point (11¼°) of E. or of W. no North or South component is entered. Accordingly, the sum of the frequencies of North and South components and of calms is not always equal to 7.

Table III. Warmth, Rainfall and Sunshine. Comparison with Normal.

(The Classification is based upon the Values for each District published in Table VI. of each Weekly Issue.)

Warmth.—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.**

Rainfall.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without rain, the word **nought** is inserted in the column for the district.

Sunshine.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without sunshine the word **nought** is inserted in the column for the district.

The classification may be put briefly in tabular form as below, and a similar table applies to Rainfall and Sunshine also. For the latter elements a week for which the value is **nought** counts as a **very light** or **very scanty** week.

Classification for Warmth.

Number of weeks on the Average in 12 years.					
Very Unusual.	Unusual.	Moderate.	Deficient.	Very Deficient.	Total.
1	3	4	3	1	12

(10118r—12.) Wt. 79a—736. 1500. 3/17. D & S. G. 17/40.

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years 1881–1905. An account of the method of determining the limits of the various classes is given in a paper by R. G. K. Lempfert : " A New Method of Treating Meteorological Statistics," Journal of the Board of Agriculture, Vol. xiv, No. 1, April 1907.

In the Summaries for the current season the first figures (**large thick type**) in each column denote the number of weeks of **unusual** warmth, **heavy** rainfall and **abundant** sunshine in each district. The second figures (**small thick type**) denote the number of **moderate** weeks. The third figures (ordinary type) denote the number of weeks of **deficient** warmth, **light** rainfall, **scanty** sunshine. **Very unusual** weeks are included with **unusual weeks** in this table, and so for the other extreme characters.

Table IV. Temperature, Rainfall and Sunshine at Stations in the British Isles.

TEMPERATURE.—(*a*) **Of the Air.**—The temperature of the air is obtained from self-registering maximum and minimum thermometers placed in a louvred screen, on a four-legged stand, at a height of about 4 feet above the ground. The hours of observation are given in the Monthly Weather Report.

The thermometers are read and set at the hour of morning observation (7 a.m. or 9 a.m.) at stations marked *a*, and at the hour of evening observation (generally 9 p.m.) at the stations marked *p*. At the former the maximum temperature is entered to the day preceding that on which it is read, and at the latter to the day of reading. The minimum temperature is entered in all cases to the day of reading.

The mean temperature published in this Report is calculated from the maximum and minimum but is intended to represent the true mean temperature for the week. It differs from half the sum of the means of the daily maxima and minima by an amount proportional for each month to the difference between these two means. If X and N are the means of the daily maxima and minima, the amounts to be added or subtracted from $\frac{1}{2}(X + N)$ to get the mean temperature are shown in the following table* :—

Month.	Jan. and Dec.	Feb. and Nov.	Mar. and Oct.	Apr. and Sept.	May and Aug.	June and July.
Amount	Add $\frac{1}{50}(X-N)$	Nil	Subtract $\frac{3}{200}(X-N)$	Subtract $\frac{6}{250}(X-N)$	Subtract $\frac{3}{100}(X-N)$	Subtract $\frac{7}{200}(X-N)$
Simple Approximate Value.			$\frac{1}{70}(X-N)$	$\frac{1}{40}(X-N)$	$\frac{1}{30}(X-N)$	$\frac{1}{30}(X-N)$

* The table is based on formulae proposed by General Strachey and derived from a discussion of the records at Greenwich and the First Order Observatories of the Meteorological Office. (*See* Q.W.R. 1878. App. II.) In the summer the mean of the maximum and minimum temperatures is higher than the true mean for the day as the highest temperatures do not last for many hours. In midwinter it happens frequently that the same cold night gives a low minimum for two consecutive periods of 24 hours, so that the mean temperature derived from the maximum and minimum readings is too low and requires a positive correction.

(*b*) **On the Grass.**—The temperature on the grass is obtained from a minimum thermometer whose stem is protected by an outer glass tube. The thermometer is placed so that it is just level with the top of short grass, *i.e.*, about 2 inches above the ground. A night is reckoned as a night of ground frost if this thermometer falls to 30°·4 F. or below.

(*c*) **In the Ground.**—The temperature of the ground is obtained from thermometers whose bulbs are embedded in a non-conducting material (usually paraffin wax) contained in a glass tube about 1 inch in diameter. The whole thermometer is placed in an iron tube closed at the bottom and covered at the top by a metal lid which prevents the entrance of water into the tube. The readings usually refer to the epoch 9 a.m. Separate iron tubes are used for the 1 foot and 4 feet thermometers.

(*d*) **Of the Sea.**—The temperature of the sea-water is taken from a place where the water is not less than 6 feet deep at low tide and refers to water at least 1 foot below the surface.

RAINFALL.—The rainfall refers to the period of 24 hours beginning at the hour of morning observation, *i.e.*, the measurement made in the morning is entered to the preceding day. The gauges are of 8 inch or 5 inch diameter and the rims are 1 foot above the ground, except at Kew and Falmouth, where the records are taken from the Beckley Autographic Gauges which have a collecting area of 100 square inches and stand with their rims approximately 2 feet above the ground.

A rain-day is a day on which ·01 inch or 0·2 mm. of rainfall is recorded during the period of 24 hours referred to above. As it is the practice to count measurements which lie intermediately between two exact numbers as belonging to the higher number if they lie nearer to it (or half-way between the two) and as belonging to the lower number if they lie nearer to *it*, the exact limits of the amount of rain which determines a rain-day are ·005 inch or ·15 mm. respectively. Days on which precipitation is deposited in the form of dew or hoarfrost are not counted as rain-days in this Report, but they are counted as days of precipitation in the Monthly Weather Report.

SUNSHINE.—The records are obtained from recorders in which the sun's rays are concentrated upon a blue card of definite composition and colour by means of a lens of definite size and refractive index. The specification is given in the Observers' Handbook, M.O. 191. The trace during intermittent sunshine is extended by charring of the card beyond the true limits at which the sun emerges and is obscured, and an allowance, resting on long practice, is made for this extension. The allowance is less than that which would reduce the record of intermittent burns of short duration in very bright sunshine sufficiently to give the actual time during which the sun was unobscured. The values are, therefore, on the average slightly in excess of the actual duration of sunshine of intensity sufficient to scorch the card.

Table V. Summary of Autographic Records of Wind.

WIND.—All the records are obtained from instruments of the Dines Tube type except where otherwise stated. The trace is made by recording the rise and fall of a float which is lifted partly by the pressure of the wind in an open horizontal tube facing the wind, and partly by the suction of the wind passing rows of holes in a vertical tube. The trace has the appearance of a ragged ribbon of varying width and the mean velocity for an hour is obtained by taking a line running along the middle of the ribbon and estimating its mean height above the base line for the period from 30 minutes before to 30 minutes after an exact hour of Greenwich Mean Time.

In setting out the distribution of winds according to mean speeds the limits assigned to the several numbers of the Beaufort scale of wind-force have been observed.

It is now recognised that the mean speed of the wind varies rapidly with height so that the same gale will be represented by different wind speeds recorded by two anemometers at different heights at the same place. Of the anemometers which were used in the discussion of the Beaufort scale by Simpson (M.O. publication 180) those at Scilly had the best exposure. Accordingly the table which is based on that discussion may be regarded as giving the speed measured at 30 ft. above the ground in the open corresponding with winds of various strengths as judged by the effect on shipping at sea or on trees, &c., on land.

Beaufort Scale.		Calm. 0	Light Air. 1	Slight Breeze. 2	Gentle Breeze. 3	Modte. Breeze. 4	Fresh Breeze. 5	Strong Breeze. 6	High Wind. 7	Gale. 8	Strong Gale. 9	Whole Gale. 10	Storm. 11	Hurricane. 12
Mean wind speed at 30 feet.	mi/hr	Less than 1	1 to 3	4 to 7	8 to 12	13 to 18	19 to 24	25 to 31	32 to 38	39 to 46	47 to 54	55 to 63	64 to 75	Above 75
	m/s	Less than 0·3	0·3 to 1·5	1·6 to 3·3	3·4 to 5·4	5·5 to 7·9	8·0 to 10·7	10·8 to 13·8	13·9 to 17·1	17·2 to 20·7	20·8 to 24·4	24·5 to 28·4	28·5 to 33·5	Above 33·5
W.W.R. groups ...		←——→		←——→		←——→		←——→		←——————————→				

The classification of the winds in Table V. of the Weekly Weather Report is such that for an anemometer well exposed at 30 ft., the groups correspond with Beaufort-forces 0 and 1, 2 and 3, 4 and 5, 6 and 7, 8 and above respectively. For all the anemometers the same limits of wind speed (in metres per second) are adopted, viz., 0 to 1·5, 1·6 to 5·4, 5·5 to 10·7, 10·8 to 17·1, 17·2 and upwards.

For each of the anemometers it is assumed that Mr. W. H. Dines' formula for the pressure and suction produced by a certain wind speed holds good. In terms of units of the metric system the formula is $w = \cdot 093\ v^2$ where w mm. is the head of water which would be maintained by the resultant pressure and v m/s is the wind speed. Recent tests at the National Physical Laboratory indicate that for the artificial air currents in a wind channel and for certain anemometer heads the wind speed determined by the formula may be overestimated by 5%.

The adjustment of the recording part of a Pressure Tube anemograph to give correct readings in the lower part of the scale is difficult so that in using the table of wind distribution less weight should be attached to the distinction made between the two lowest groups than to the other breaks in the series.)

The highest hourly wind refers to an hour centering at an exact hour of G.M.T. The speed is expressed in metres per second. The direction is given to the nearest point. It is referred to true, that is geographical, as distinguished from Magnetic North.

The direction of the mean velocity is estimated from the direction record in a manner similar to that used for the estimation of mean speed.

The gusts are obtained by taking the highest excursion on the "ribbon." The direction of a gust is taken as nearly as possible for the instant at which the gust occurs.

Times are Greenwich Mean Civil Time (Noon G.M.T. = 12h., 6 p.m. = 18h.). Summer-Time is not used. When an anemometer is on the top of a building the approximate height above the top of the building is shown in the appropriate column. For stations where the head of the anemometer is supported on a pole rising direct from the ground or from an iron skeleton tower which does not interfere with the wind sufficiently to effect appreciably the recorded speed, the symbol ‡ signifying "standard mounting" is shown in this column. The vane of the pressure tube anemograph at Kew Observatory, Richmond, is level with the Robinson cups. It is 22 ft. above the main roof of the Observatory, 6 ft. above a wooden staging erected for wind observation. The vane of the tube anemograph at Aberdeen is 37 ft. above the tower, 52 ft. above the main roof of the College.

At Aberdeen, Holyhead and Scilly the vane is not connected to a Direction Recorder; in these cases the direction is taken from the Robinson–Beckley anemograph. The wind direction at Pendennis Castle is taken from the Robinson-Beckley anemograph at Falmouth.

Table VI. District-Values of Temperature, Rainfall, Sunshine—Duration and Pressure.

DISTRICT-VALUES.—Except in the case of "Accumulated Temperature" the District-Values are the means of the station-values for each district

The stations used for the computation of district-values have not been the same during the whole period of the Report, but when a station lapses it is, if possible. replaced by another in the neighbourhood for which ihe averages of rainfall, temperature and sunshine are similar. A list of the stations for 1917 will be given in the Introduction to the annual volume of the Weekly Weather Report.

The District-Values of Pressure are obtained from the obsevations at 7 a.m. and 6 p.m. published in the Daily Weather Report. No correction for diurnal range is applied.

The means of daily maximum, minimum and mean temperature, and the deviation of the mean temperature from the normal are expressed in degrees on the Absolute Scale of temperature. The zero of this scale is 273° C. below 0° C., the freezing point of water, and the degree interval is identical with that of the Centigrade thermometer.

For theoretical and practical reasons this scale is to be adopted in all parts of the British Meteorological and Magnetic Year-book. For the present the Temperatures in Table III. of this Report and also the Accumulated Temperatures in Table V. remain on the Fahrenheit scale.

ACCUMULATED TEMPERATURE.—The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or base-temperature. For Districts, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The following rules are followed in making the computation of accumulated temperature in the four cases which may occur. In each case the accumulated temperature is found from the District-Values of Maximum, Minimum and Mean Temperature.

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F.	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the coefficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F.	There is none.	Subtract the mean from 42° F.

The average daily values obtained in the manner described are multiplied by 7 to obtain the values for the whole week.

NORMALS.—The normals of air temperature and of rainfall and sunshine for the individual stations in Table III. are based upon the monthly normals for these stations for the years 1881–1915. The present normals have been in use since the first week of 1917. The normals for the period 1881–1905 were in use from 1908 to 1916.

The averages for Ground Temperature used in Table III. were computed from the weekly values published in the Reports for the years 1907–1911. No correction has been applied to the averages for shorter periods in the case of stations for which values for the whole 5 years were not available.

The normals used in Table V. are derived from the weekly district values published in the Report but they have been adjusted in cases where the selection of stations for the district differed materially from the selection now used. The normals used are obtained from the actual weekly normals for the 35 years 1881–1915. ~~For the Scottish districts (0, 1, 6) the normals for mean temperature are for 30 years 1886–1915.~~

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NAPIER SHAW,
Director.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THE FIRST WEEK OF 1917.

SUNDAY, DECEMBER 31ST, 1916, TO SATURDAY, JANUARY 6TH, 1917.

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I.—GENERAL SUMMARY. [First published 1878.]

The mean distribution of pressure for the week was typical of South-Westerly to North-Westerly conditions. About the middle of the week the wind attained the force of a gale in some localities, but as a whole the period was rather quiet for the time of year. Overcast, dull skies ruled nearly all through, but two or three days had fairly good sunshine records, so that most districts averaged more than an hour per day, the eastern English ones exceeding 1½ hour. The air temperature was everywhere unusually high until nearly the close of the week, several places passing above 287 a. on the 1st and 2nd, Killarney touching 288 a. At the end, however, there was a marked decline, and numerous maxima were below 278 a., as low as 273 a. at West Linton. Frosts were few and slight, but the air temperature at Balmoral dropped to 263 a. For the whole period the mean results show a considerable excess above the normal, more than 4 a. in England East and the Midlands. Coastal sea water was as much as 3 a. colder than the air on the west of Ireland, and 2 a. colder on the coast of Berwick, while off Caithness it was 3 a. warmer. Rainfall was very irregular in its distribution, ranging from 30 per cent. of the normal in England North-East to nearly 200 per cent. in Scotland North. The only very heavy falls in 24 hours were 26 mm. at Fort Augustus, 30 mm. at Glencarron and 37 mm. at Stonyhurst on the 2nd, and 29 mm. at Fort William, 31 mm. at Birr Castle, and 48 mm. at Glencarron on the 3rd. There are many records of solar and lunar halos and coronæ. An aurora was visible over a great part of Britain and Ireland in the night of the 4th, bright or brilliant in places, with long streamers at Oxford, and shooting streamers at Seskin, Carrick-on-Suir, where the aurora outshone the brilliant moonlight of the night.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	4	2·4	7	3·2	2	2·0	4	2·3	4	4·9	0	—	5	3·2	4	4·5
North	3	4·9	0	—	4	1·4	3	1·7	3	4·9	4	5·7	1	2·0	2	3·7
West	6	3·8	7	6·9	6	5·1	7	4·1	7	7·7	7	7·6	7	9·7	7	4·5
East	¼	6·1	0	—	¼	3·8	0	—	0	—	0	—	0	—	0	—
Calm	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual
	Rainfall ...	Very heavy	Heavy	Light	Moderate	Moderate	Light	Moderate	Heavy	Light	Moderate	Light	Light
	Sunshine ...	Scanty	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 5 weeks from Dec. 3rd, 1916.	Warmth ...	2, 1, 2	1, 1, 3	1, 1, 3	1, 2, 2	1, 1, 3	1, 1, 3	2, 0, 3	1, 1, 3	1, 1, 3	2, 1, 2	1, 1, 3	1, 1, 3
	Rainfall ...	2, 1, 2	3, 2, 0	2, 2, 1	2, 3, 0	1, 3, 1	2, 2, 1	2, 1, 2	3, 1, 1	2, 1, 2	1, 3, 1	0, 3, 2	2, 2, 1
	Sunshine ...	0, 4, 1	1, 4, 0	2, 2, 1	0, 2, 3	1, 2, 2	0, 3, 2	3, 2, 0	3, 2, 0	2, 3, 0	3, 2, 0	2, 3, 0	1, 3, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10033—19.) Wt. 79a—736. 450. 1/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean	Earth 4 ft. Deviation from Average.	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
0. SCOTLAND, N.																							
a, Islands ..	54	47	1st	32	5,6	41·7	37·4	39·6	+ 0·5	7	1·61	41	—	•	•	•	•	•	•	•	•	•	Lerwick.
	160	*48*	*1st*	*33*	*5th*	*43·0*	*38·6*	*40·9*	*+ 1·9*	7	*2·56*	*65*	*+ 45*	*1·0*	*0·0*	*16*	•	•	•	•	•	•	Deerness.
	51	50	31st	29	5th	43·9	37·6	40·9	+ 1·6	7	2·17	55	+ 25	0·5	- 0·4	8	•	•	•	•	•	•	Stornoway.
	37	?52	*2nd*	*37*	*5th*	?47·6	*41·7*	*44·8*	*+ 2·3*	7	?1·75	?44	+ 26	*0·2*	*- 0·8*	*3*	•	•	•	•	•	•	*Castlebay.*
b, Mainland.	81	47	31.3	27	6th	42·7	35·3	39·2	+ 1·3	7	1·81	46	+ 32	•	•	•	•	•	•	•	•	•	
	200	50	1st	25	5th	44·1	36·0	40·2	+ 2·9	7	2·10	53	+ 35	•	•	•	•	•	•	•	•	•	Strathpeffer.
	500	51	2nd	23	5th	43·6	34·6	39·3	+ 2·2	7	4·93	125	+ 67	•	•	•	•	•	•	•	•	•	
	68	52	1, 3	24	6th	47·1	36·7	42·1	+ 4·4	5	2·07	53	+ 22	0·2	- 0·4	3	•	•	•	•	•	•	Fort Augustus.
	171	53	2nd	30	5th	47·0	38·6	43·0	+ 4·1	7	3·36	85	+ 30	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
	101	52	1st	27	6th	46·7	35·3	41·2	+ 3·1	6	1·42	36	+ 24	0·9	- 0·9	13	3	15	35·1	-1·1	38·7	-0·4	Crathes.
	82	50	31, 1, 3	22	6th	43·3	36·1	39·8	+ 2·4	7	1·06	27	+ 15	0·7	- 0·6	11	•	•	•	•	•	•	Nairn.
	46	51	1st	27	6th	43·7	36·3	40·2	+ 2·3	5	1·30	33	+ 21	1·3	- 0·3	20	2	20	•	•	40·2	-0·7	Aberdeen.
	930	49	1st	14	6th	42·3	31·1	36·9	+ 2·4	5	0·93	24	+ 6	•	•	•	2	10	•	•	•	•	Balmoral.
	244	*53*	*2, 3*	25	6th	*46·6*	*36·4*	*41·7*	—	*4*	*0·26*	7	—	1·0	- 0·7	14	2	20	38·7	•	•	•	Dundee.
	432	54	3rd	27	6th	48·0	36·3	42·4	+ 5·5	5	0·39	10	— 13	•	•	•	•	•	•	•	•	•	
	18	53	31, 1-3	31	5,6	47·3	40·0	43·8	+ 4·7	4	0·25	6	- 23	•	•	•	2	23	•	•	•	•	
	769	50	31, 2	24	6th	43·6	35·3	39·6	+ 4·8	4	0·92	23	—	*0·9*	—	*13*	3	15	•	•	•	•	*West Linton.*
	408	52	3rd	28	5th	47·4	38·7	43·2	+ 6·8	3	0·24	6	- 7	1·3	- 0·1	19	2	26	•	•	•	•	Marchmont.
	441	*52*	*1, 3*	*30*	*6th*	*46·9*	*39·6*	*43·4*	*+ 5·4*	*3*	*0·21*	*5*	*- 5*	1·6	0·0	23	2	26	•	•	•	•	Edinburgh.
6. a SCOTLAND, W.																							
	132	50	31, 1	—	—	45·4	—	—	—	7	2·43	62	+ 33	•	•	•	•	•	•	•	•	•	
	180	52	1-3	33	5th	47·6	41·3	44·6	+ 6·0	5	1·04	26	+ 7	1·0	+ 0·3	14	2	26	•	•	•	•	Glasgow.
	170	51	1-3	34	5, 6	47·1	40·3	43·8	+ 4·2	7	2·44	62	+ 36	*0·5*	—	*7*	2	28	43·3	•	43·5	+0·5	*Rothesay.*
	90	51	1, 3, 4	30	5, 6	47·3	39·9	43·8	+ 3·8	7	1·86	47	+ 27	*0·9*	—	*13*	•	•	42·7	•	42·3	•	*Kilmarnock.*
	170	53	31, 1	33	6th	48·1	41·1	44·7	+ 4·3	7	1·43	36	+ 11	•	•	•	0	31	•	•	•	•	Colmonell.
	120	50	31, 1-3	30	5, 6	46·4	39·1	42·9	+ 4·6	7	1·38	35	+ 10	•	•	•	•	•	•	•	•	•	
	160	54	2, 3	32	5, 6	48·7	40·7	44·9	+ 6·9	7	0·52	13	- 4	*1·3*	—	*18*	2	25	41·6	•	41·4	•	*Dumfries.*
	794	*52*	*2nd*	*22*	*6th*	*44·7*	*37·4*	*41·2*	—	*5*	*1·23*	*31*	*+ 5*	*1·3*	—	*19*	2	21	•	•	•	•	*Eskdalemuir.*
b, I. OF MAN.	277	53	1st	36	5th	49·3	43·0	46·3	+ 5·4	7	0·85	22	+ 3	1·1	- 0·5	15	0	34	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
	210	55	31, 1, 2	25	6th	49·0	39·3	44·3	+ 6·2	1	0·09	2	- 11	1·8	+ 0·1	26	2	20	41·0	+4·0	40·9	+0·7	Cockle Park.
	71	54	31, 1	31	6th	47·4	40·4	44·0	+ 5·4	2	0·08	2	- 7	•	•	•	•	•	•	•	•	•	Tynemouth
	336	55	3rd	30	5th	49·3	39·6	44·6	+ 7·5	2	0·04	1	- 8	2·0	+ 0·5	28	•	•	•	•	•	•	Durham.
a North ..	249	54	1st	28	5th	47·9	39·9	44·1	+ 7·1	2	0·10	3	- 6	•	•	•	3	20	39·5	•	•	•	Rounton.
	605	*52*	*1st*	*31*	*6th*	*45·7*	*39·0*	*42·5*	—	*5*	*0·29*	*7*	—	•	•	•	2	26	40·3	•	40·0	•	*West Witton.*
	100	58	1st	33	5th	50·3	41·0	45·8	+ 7·1	2	0·06	2	- 10	1·9	+ 0·5	26	•	•	•	•	44·2	•	Scarborough.
	56	57	1st	31	5th	48·9	42·4	45·8	+ 7·9	2	0·15	4	- 6	1·5	+ 0·5	21	•	•	41·3	+2·1	42·3	-0·6	York.
b, South ..	26	50	1, 3	35	5, 6	46·0	41·3	43·7	+ 5·3	3	0·20	5	- 3	*0·7*	—	*9*	•	•	•	•	•	•	*Spurn Head.*
	58	54	1st	32	5, 6	50·4	41·1	45·9	+ 8·8	3	0·51	13	+ 3	•	•	•	•	•	41·7	+3·7	40·3	-2·5	Lincoln.
	180	55	3rd	32	6th	49·0	41·4	45·4	+ 8·3	3	0·33	8	- 2	1·3	- 0·3	18	•	•	42·1	+2·6	42·4	-1·5	Rauceby.
														1·8	0·0	24	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
	196	55	3rd	33	6th	49·7	41·3	45·7	+ 7·8	4	0·27	7	- 2	2·2	+ 0·4	30	•	•	•	•	•	•	Cromer.
	280	58	1st	30	6th	49·0	39·0	44·2	+ 7·3	3	0·29	7	- 5	1·3	- 0·2	17	2	27	•	•	•	•	Lit. Massingham
a, North ..	13	56	3rd	33	5, 6	48·9	42·4	45·8	+ 8·0	5	0·43	11	+ 1	2·3	—	30	0	32	43·1	+4·1	44·3	+0·8	Yarmouth.
	93	55	3rd	32	5th	48·4	41·9	45·3	+ 7·9	5	0·26	7	- 5	*1·9*	—	*25*	2	27	41·6	•	•	•	*Norwich.*
	37	57	3rd	30	5th	49·9	40·0	45·2	+ 7·2	4	0·19	5	- 4	1·9	+ 0·1	25	•	•	•	•	•	•	Geldeston.
b, East ..	41	56	1st	30	5th	49·6	41·1	45·5	+ 7·9	2	0·21	5	- 4	1·5	- 0·2	20	2	19	42·3	+3·3	43·0	-0·7	Cambridge.
	54	54	1, 3	34	5, 6	48·4	41·9	45·3	+ 7·4	3	0·39	10	+ 2	2·0	+ 0·1	26	0	31	43·4	-2·6	44·8	-1·0	Clacton.
	424	53	1st	33	5th	47·0	39·9	43·6	+ 6·4	4	0·20	5	- 7	1·4	- 0·3	18	1	27	42·1	•	•	•	Rothamsted.
	51	55	1st	32	6th	50·3	43·1	46·8	+ 7·9	3	0·31	8	—	1·1	—	14	0	31	•	•	44·0	-1·2	Tottenham.
4. MIDLAND COUNTIES.																							
a North ..	479	52	1st	30	5,6	45·7	38·9	42·4	+ 5·7	6	0·64	16	+ 2	1·8	+ 0·2	25	2	24	41·5	+2·3	41·2	0·0	Harrogate.
	987	*50*	*1, 3*	*5, 6*		*44·9*	*39·0*	*42·1*	*+ 6·8*	*6*	*1·78*	*45*	*+ 19*	*0·1*	—	*1*	1	30	39·2	+0·5	39·7	-3·6	*Buxton.*
														1·0	- 0·3	14	2	28	41·2	+2·6	41·7	-1·2	Sheffield.
	65	55	1st	31	5th	48·1	40·6	44·5	+ 7·1	4	0·41	10	+ 1	0·8	- 0·4	11	2	19	40·3	•	40·8	•	Worksop.
	82	55	1, 3	35	5, 6	49·7	42·9	46·4	+ 8·8	5	0·22	6	- 4	0·7	- 0·4	9	2	27	42·0	+4·3	40·1	-1·2	Nottingham.
b, East ..	535	54	1st	35	5th	48·9	41·0	45·1	+ 7·3	4	0·30	8	- 4	0·6	- 0·5	8	1	30	44·0	+3·7	44·0	-1·1	Birmingham.
	203	55	1, 3	31	6th	48·9	39·7	44·5	+ 7·0	2	0·10	3	- 6	•	•	•	2	24	39·8	•	44·2	•	*Raunds.*
	208	52	1st	35	5, 6	48·6	41·6	45·2	+ 6·8	3	0·38	10	0	1·3	- 0·4	17	1	27	•	•	•	•	Oxford
c, West ..	646	52	2, 3	32	5th	46·7	40·4	43·7	+ 7·2	6	0·61	15	0	•	•	•	3	29	•	•	•	•	Cheadle.
	191	58	1st	34	6th	51·3	41·7	46·7	+ 7·6	3	0·15	4	- 6	•	•	•	1	29	•	•	•	•	Shrewsbury.
	291	57	31st	24	5, 6	50·4	41·6	46·2	+ 8·1	1	0·09	2	- 10	*1·9*	—	*25*	3	25	42·0	•	41·4	•	*Malvern.*§
	229	51	31, 1, 2	37	6th	49·0	43·6	46·4	+ 6·9	4	0·40	10	- 8	*1·5*	—	*19*	0	32	•	•	•	•	*Clifton.*
5. ENGLAND, S.E.																							
	424	51	31st	28	5th	47·7	40·3	44·2	+ 6·8	3	0·51	13	- 1	1·7	- 0·3	21	2	26	43·8	+3·5	45·2	-0·1	Worthing.
	53	56	3rd	37	6th	49·7	43·7	46·8	+ 7·6	2	0·07	2	- 7	1·5	+ 0·1	19	2	18	42·8	•	43·5	•	Marlborough.
	150	53	31, 1	34	5, 6	48·6	42·4	45·6	+ 7·4	2	0·30	8	- 2	1·4	- 0·3	18	0	35	44·9	+4·2	44·7	+0·8	Margate.
	180	65	31st	32	5, 6	50·6	40·7	45·9	+ 8·1	1	0·11	3	- 14	•	•	•	1	30	42·9	•	•	•	Wisley.
	354	54	1st	33	5th	48·9	42·7	45·9	+ 8·3	2	0·27	7	- 7	1·4	- 0·3	18	1	26	43·6	+4·1	44·1	•	Salisbury.
																							Tunbridge Wells.
	21	55	1st	34	5th	49·4	43·7	46·7	+ 7·4	2	0·28	7	- 4	•	•	•	•	•	•	•	•	•	Dover.
	178	54	1st	34	5th	49·1	42·1	45·7	+ 6·1	3	0·30	8	- 5	1·7	- 0·3	22	1	28	43·5	•	44·2	•	St. Leonards.
	64	54	31st	34	5th	50·1	42·6	46·5	+ 6·4	3	0·19	5	- 10	1·9	+ 0·2	24	1	23	•	•	•	•	Southampton.
	59	52	1st	37	5, 6	49·0	44·3	46·7	+ 5·0	3	0·26	7	- 8	2·1	+ 0·2	26	•	•	•	•	•	•	Ventnor.
LONDON.	18	54	1st	35	5th	49·6	42·8	46·3	+ 7·4	3	0·33	8	- 2	1·4	0·0	18	1	29	43·2	+3·4	43·3	-1·5	Kew Obs.
	27	*56*	*1st*	*38*	*5th*	*50·3*	*44·3*	*47·4*	*+ 7·8*	*3*	*0·29*	*7*	*- 2*	*0·9*	*+ 0·2*	*12*	0	31	•	•	•	•	*Westminster.*
	155	*55*	*1st*	*35*	*5th*	*48·9*	*43·6*	*46·4*	*+ 6·5*	*2*	*0·35*	*6*	*- 5*	*0·7*	*- 0·6*	*9*	1	29	•	•	•	•	*Greenwich.*
	450	*52*	*31, 1*	*33*	*5th*	*47·1*	*40·9*	*44·1*	—	*2*	*0·36*	*9*	—	*1·2*	—	*16*	4	24	•	•	•	•	*Hampstead.*
	110	*55*	*1st*	*35*	*5th*	*49·3*	*43·0*	*46·3*	*+ 7·5*	*2*	*0·28*	*7*	*- 4*	*0·9*	*- 0·2*	*12*	1	30	•	•	•	•	*Camden Square.*
7. a, ENGLAND, N.W.																							
	487	51	31, 1, 3	31	6th	47·0	39·7	43·5	+ 5·4	7	0·91	23	+ 5	0·7	- 0·8	10	2	27	43·0	•	43·2	•	Aspatria.
	559	54	2, 3	30	5th	48·7	40·1	44·6	+ 7·7	6	0·78	20	+ 2	0·9	- 0·4	13	3	21	42·3	+3·4	41·2	-0·4	Newton Rigg.
	375	51	3rd	33	5th	47·3	40·7	44·1	+ 6·3	7	2·66	68	+ 43	0·5	- 0·6	7	1	29	•	•	•	•	Stonyhurst.
	66	50	1st	36	6th	45·6	41·9	43·8	+ 5·1	6	1·10	28	+ 12	0·7	- 0·9	9	0	32	41·2	•	44·2	•	Blackpool.
	37	50	2, 3	37	6th	46·4	42·1	44·3	+ 5·6	5	0·75	19	+ 4	0·9	- 0·7	12	1	30	40·9	+2·8	40·1	-1·5	Southport.
	188	54	1st	37	5th	49·0	42 3	45·8	+ 6·5	5	0·51	13	+ 1	*1·0*	—	*14*	0	34	•	•	•	•	*Liverpool.*
	22	58	1, 2	38	5th	51·6	43·6	47·8	+ 7·9	5	0·54	14	+ 2	*0·1*	*- 0·4*	*1*	1	30	42·5	+3·7	42·0	-1·8	*Manchester (City)*
	125	53	31, 1-3	35	5th	49·4	42 4	46·0	+ 8·9	7	1·20	31	+ 17	*0·1*	*- 0·5*	*1*	•	•	•	•	•	•	" (Whit. Park)
b, NORTH WALES.																							
	71	58	2nd	40	6th	52·4	45·4	49·0	+ 7·6	4	0·27	7	- 8	0·8	- 1·0	11	•	•	•	•	•	•	Llandudno.
	15	53	31, 1, 2	40	6th	49·4	44·7	47·1	+ 5·3	3	0·55	14	- 3	*1·1*	—	*15*	0	38	•	•	•	•	*Holyhead.*
	148	57	1st	36	6th	51·1	43·0	47·2	+ 7·4	6	1·01	26	—	0·3	—	4	•	•	45·0	+4·6	44·0	-0·4	Bettws-y-Coed.
														0·8	- 1·1	11	•	•	•	•	•	•	Aberdovey.

' Earth temperature at 3 ft

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.							STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.	Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
8. *a*, SOUTH WALES														0·9	− 1·0	12							
a Rhayader	550	—	—	—	—	—	—	—	—	—	—	—	—										Aberystwyth.
a Pembroke	149	51	2nd	342	5, 6	48·4	46·0	47·3	+ 4·6	3	0·24	6	− 13	1·6	− 0·1	21							Rhayader.
p Cardiff	202	50	31, 1	35	5th	48·3	42·1	45·3	+ 6·4	5	0·65	17	− 4	*1·5*	—	*19*	2	30	43·8	+3·6	43·6	−1·0	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Bath	66	54	31st	34	5, 6	50·0	42·9	46·6	+ 7·3	3	0·30	8	− 6						43·3	+1·9	43·4	−2·6	Bath.
a Shaftesbury	722	51	31st	33	6th	46·7	40·7	43·8	+ 6·2	2	0·24	6	− 9						43·2		42·9		Shaftesbury.
a Arlington	613	50	31st	37	6th	46·7	41·7	44·3	+ 5·1	6	1·06	27	− 1										Arlington.
a Newquay	*190*	*51*	*31st*	*43*	*5th*	*48·7*	*46·4*	*47·6*	+ *4·7*	*7*	*0·35*	*9*	− 9	1·3	− 0·5	16			46·8		46·3		Newquay.
a Cullompton	202	53	31, 1	33	5th	49·3	42·9	46·2	+ 6·5	6	0·38	10	− 9	1·6	+ 0·1	20	2	25	44·5				Cullompton.
a Portland Bill	12	51	31, 1	41	6th	48·9	46·1	47·6	+ 5·5	3	0·16	4	− 9	*2·1*	—	*26*							*Weymouth.*
p Plymouth	116	53	1st	40	5, 6	50·3	44·7	47·6	+ 5·4	6	0·24	6	− 13	1·5	− 0·2	19			45·6	+2·5	45·3		Plymouth.
a Falmouth	167	53	31, 1	40	6th	50·0	45·9	48·0	+ 4·6	4	0·33	8	− 16	1·5	− 0·4	19	0	36	46·0		45·5		Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	53	1st	38	5, 6	48·6	42·0	45·4	+ 4·5	7	1·04	26	+ 11	*0·7*	—	*10*							*Malin Head.*
a Blacksod Point ..	327	51	2nd	38	4–6	48·4	43·0	45·8	+ 3·1	7	0·98	25	− 4										
p Markree Castle ..	122	55	31st	35	6th	50·7	42·4	46·7	+ 7·1	7	1·12	28	+ 6	0·9	− 0·5	12	1	29	43·7		44·3		Markree Castle.
a Birr Castle	175	55	2nd	33	6th	49·6	42·1	46·0	+ 6·2	6	0·52	13	− 3	*1·7*	+ *0·1*	*23*	2	26					*Birr Castle.*
b, East .. *p* Armagh	196	53	31, 3	32	6th	49·0	41·1	45·2	+ 5·8	6	0·57	15	+ 1	1·2	− 0·2	16	1	28	43·9	+3·0	44·4	+0·2	Armagh.
a Donaghadee	101	54	31, 1	36	5th	48·7	42·4	45·7	+ 5·1	5	0·43	11	− 3				0	31	44·2	+2·9	44·3	−0·3	Trinity Coll.
10. IRELAND, S.														1·2	− 0·6	16	1	30					Phœnix Park.
p Dublin, City	47	57	2nd	34	6th	51·6	43·1	47·5	+ 5·7	6	0·19	5	− 8				0	31					Dublin City.
a, East .. *a* Kilkenny	212	59	2nd	29	6th	50·9	42·0	46·6	+ 6·7	4	0·20	5	− 13										
a Waterford	20	55	31, 2	34	6th	50·3	43·1	46·8	+ 5·2	2	0·07	2	− 19										
a Seskin, Carrick-on-Suir	*541*	*56*	*31st*	*34*	*4, 6*	*50·9*	*42·7*	*47·0*	—	*2*	*0·07*	*2*	—	*1·8*	—	*24*	0	31					*Seskin.*
a Birr Castle	175	55	2nd	33	6th	49·6	42·1	46·0	+ 6·2	6	0·52	13	− 3	1·7	+ 0·1	23	2	26					Birr Castle.
a Foynes	50	55	31, 2	38	6th	50·7	44·7	47·8	+ 5·9	5	0·70	18	− 4										
b, West .. *a* Cahir	199	56	31st	37	6th	50·1	43·1	46·7	+ 5·0	6	0·27	7	—										
a Killarney	174	58	2nd	39	4, 6	51·7	45·6	48·8	+ 6·2	6	0·59	15	− 19										
a Cahirciveen (Val. Obs.)	30	54	2nd	41	5th	50·9	46·9	49·0	+ 4·6	5	0·30	8	− 23	0·8	− 0·8	11	0	?					Valencia Obs.
a Roche's Point	32	54	31st	40	5, 6	50·4	45·1	47·9	+ 4·4	2	0·04	1	− 23	1·4	—	18							Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	1, 2	42	5th	49·9	46·6	48·3	+ 2·6	6	0·33	9	− 8	1·3	− 0·6	16							Scilly.
a Jersey, St. Aubins ..	25	53	31, 1	43	5, 6	50·9	46·9	49·0	+ 6·4	5	0·54	14	− 3	1·9	− 0·3	23							St. Heliers.
a Guernsey (Villa Carey)	180	52	31st	43	5, 6	49·9	47·3	48·7	+ 5·4	5	0·38	10	− 8	2·1	+ 0·2	26	0	35	47·1	+2·6	47·3	−0·6	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 6th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.					
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.		
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	h. m.
1. SCOTLAND, E.																	
Dyce	305	75	15*	—	—	—	—	31	68	58	16	—	10	4 2	25	2	3 . 20
Aberdeen	153	105	52	2	1	31, 2, 4	16	38	75	38	0	NW. by W.	18	2 4	28	2	3 . 35
Edinburgh	485	39	31	—	—	31, 1 to 4	44	82	35	7	0	WSW.	16	2 2	29	1	23 . 10
6 SCOTLAND, W.																	
Eskdalemuir	825	50	22	—	—	31, 1 to 4	51	59	26	32	0	NW.	16	4 11	27	2	2 . 50
Paisley	188	81	52	—	—	1, 2	7	71	62	28	0	NW.	15	2 1	29	2	0 . 20
2. ENGLAND, N.E.																	
Alnwick Castle	340	70	17	—	—	1	1	67	70	30	0	SW. by W.	11	1 23	24	3	19 . 15
South Shields	72	61	12	1, 2	4	31, 1 to 4	33	73	40	18	0	W. by N.	20	2 1	29	2	1 . 30
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—
3. ENGLAND, E.																	
Gorleston	52	42	‡‡	—	—	—	—	77	70	3	18	—	10	4 12	16	4	12 . 10
Shoeburyness	103	90	‡	—	—	—	—	136	32	0	0	NW.	11	4 12	17	3	14 . 15
4. MIDLAND COUNTIES.																	
Benson	270	84	‡	—	—	4	1	91	68	8	0	SW.	11	4 1	19	3	16 . 10
5. ENGLAND, S.E.																	
Dover	271	40	‡	—	—	31. 3 to 5	10	129	28	1	0	—	13	4 2	19	4	1 . 45
Warlingham	642	38	‡‡	—	—	—	—	57	111	0	0	—	8	4 5	18	2	21 . 5
Brighton	261	53	6	—	—	—	—	79	70	0	19	—	10	3 21	16	3	20 . 50
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	81	86	1	0	W.	10	3 18	18	3	17 . 45
7. ENGLAND, N.W.																	
Carnforth	246	56	23	—	—	—	—	86	51	29	0	SW.	11	31 1	19	3	23 . 55
Southport	80	62	48	31	1	31, 1 to 5	93	48	26	0	0	SW. by W.	17	31 2	24	4	14 . 10
Holyhead	60	40	‡	—	—	31, 1 to 6	68	97	3	0	0	WNW.	16	4 11	21	4	0 . 15
8. ENGLAND, S.W.																	
Pendennis Castle§ ..	256	65	24	—	—	1 to 3	16	106	39	1	6	WSW.	14	2 19	18	2	21 . 45
Plymouth	185	88	2	—	—	—	—	47	114	7	0	—	10	4 12	16	4	13 . 15
Lyme Regis	556	61	‡	—	—	31, 1 to 3	16	121	24	7	0	—	13	3 2	18	1	17 . 35
10. IRELAND, S.																	
Cahirciveen (Val. Obs.)	98	41	‡‡	—	—	3	4	98	50	16	0	SW.	13	3 16	19	3	14 . 40
Quilty	100	40	‡‡‡	—	—	31, 1 to 5	90	45	2	0	31	—	16	3 13	23	3	13 . 50
Weaver Pt.	160	30	‡‡‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—
11. ENGLISH CHANNEL.																	
Scilly	150	32	‡	—	—	31, 2 to 5	37	123	5	3	0	WNW.	13	5 20	20	5	18 . 20

† More exactly the values adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.

[First published for Temperature and Rainfall in 1878, Sunshine in 1884, and Pressure in 1914.]

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, is given in the Guide to the Tables of the Weekly Weather Report.

FIRST WEEK—December 31st, 1916, to January 6th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	23	79·8	75·6	77·8	+ 1·4	6	0	22	− 13	7	+ 2	2·58	65	+ 36	0·4	−0·3	5	1007
Eastern.																			
1. SCOTLAND, EAST ...	54	14	80·4	75·3	77·9	+ 2·2	9	+ 3	24	− 18	5	+ 1	0·81	21	+ 5	1·1	+0·1	17	1008
2. ENGLAND, N.E.	58	25	82·3	77·8	80·1	+ 3·8	25	+ 18	4	− 31	2	− 2	0·17	4	− 9	1·7	+0·7	24	1012
3. ENGLAND, EAST ...	58	30	82·4	78·1	80·4	+ 4·2	26	+ 17	2	− 37	4	0	0·28	7	− 6	1·7	−0·3	23	1016
4. MIDLAND COUNTIES ...	58	30	82·3	78·1	80·3	+ 4·1	25	+ 16	3	− 37	4	0	0·22	8	− 7	1·0	−0·1	14	1017
5. ENGLAND, S.E.	56	28	82·6	78·8	80·8	+ 3·6	29	+ 16	0	− 29	2	− 2	0·26	7	− 7	1·6	+0·2	20	1018
Western.																			
6. SCOTLAND, WEST ...	54	30	81·8	77·9	79·9	+ 2·9	22	+ 13	3	− 26	7	+ 2	1·36	34	+ 6	1·1	+0·1	15	1012
7. ENGLAND, N.W.	58	30	82·6	78·8	80·7	+ 3·6	27	+ 17	0	− 28	6	+ 2	0·94	24	+ 5	0·7	−0·3	9	1016
8. ENGLAND, S.W.	53	33	82·2	79·5	80·9	+ 2·7	30	+ 13	0	− 22	4	− 1	0·41	10	− 13	1·4	−0·1	18	1021
9. IRELAND, NORTH ...	55	32	82·6	78·7	80·7	+ 3·0	27	+ 14	0	− 25	6	+ 1	0·78	20	− 1	1·1	−0·3	14	1013
10. IRELAND, SOUTH ...	59	29	83·4	79·7	81·6	+ 3·0	39	+ 19	0	− 19	5	0	0·32	8	− 17	1·3	−0·3	17	1021
11. ENGLISH CHANNEL ...	53	42	83·1	81·3	82·3	+ 2·2	47	+ 20	0	− 9	5	0	0·42	11	− 9	1·8	−0·2	22	1025

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 5 Weeks, December 3rd, 1916, to January 6th, 1917.

0. SCOTLAND, NORTH ...	53	23	78·7	74·3	76·6	− 0·2	16	− 24	155	− 2	29	+ 3	7·22	182	+ 19	0·5	−0·1	7	1000
Eastern.																			
1. SCOTLAND, EAST ...	54	11	78·1	72·8	75·5	− 0·5	14	− 22	218	+ 20	24	+ 3	4·14	105	+ 23	1·1	+0·1	16	1000
2. ENGLAND, N.E.	58	13	78·6	73·8	76·3	− 0·4	31	− 11	177	+ 17	21	+ 3	3·18	80	+ 16	1·3	+0·1	18	1003
3. ENGLAND, EAST ...	58	20	79·1	74·0	76·7	+ 0·1	35	− 13	163	− 19	22	+ 2	3·06	78	+ 20	1·0	−0·4	14	1004
4. MIDLAND COUNTIES ...	58	16	78·3	72·8	75·7	− 0·8	34	− 17	224	+ 37	20	+ 1	2·82	72	+ 3	0·9	−0·3	12	1005
5. ENGLAND, S.E.	56	15	79·4	74·5	77·0	− 0·7	41	− 35	151	+ 21	19	− 1	4·01	102	+ 30	1·2	−0·2	16	1006
Western.																			
6. SCOTLAND, WEST ...	54	19	79·2	74·7	77·0	− 0·5	44	− 13	138	+ 13	29	+ 5	5·95	151	0	1·3	+0·3	19	1002
7. ENGLAND, N.W.	58	22	79·1	74·2	76·7	− 0·8	39	− 20	163	+ 36	25	+ 4	3·81	97	+ 1	1·4	+0·4	18	1004
8. ENGLAND, S.W.	59	20	79·7	74·6	77·2	− 1·4	50	− 47	141	+ 49	22	− 1	4·72	119	− 7	2·0	+0·5	25	1006
9. IRELAND, NORTH ...	59	21	79·7	74·9	77·4	− 1·6	57	− 11	129	+ 17	27	+ 2	4·22	107	− 1	1·7	+0·5	23	1003
10. IRELAND, SOUTH ...	59	18	80·0	74·5	77·3	− 1·6	75	− 36	150	+ 65	27	+ 3	3·65	93	− 37	1·7	+0·2	23	1006
11. ENGLISH CHANNEL ...	55	30	81·8	77·9	80·0	− 0·6	127	− 29	36	+ 8	28	+ 3	5·26	133	+ 23	2·1	+0·3	27	1007

THE YEAR.—Aggregates, &c., for the Period of 1 Week, December 31st, 1916, to January 6th, 1917.

0. SCOTLAND, NORTH ...	53	23	79·8	75·6	77·8	+ 1·4	6	0	22	− 13	7	+ 2	2·58	65	+ 36	0·4	−0·3	5	1007
Eastern.																			
1. SCOTLAND, EAST ...	54	14	80·4	75·3	77·9	+ 2·2	9	+ 3	24	− 18	5	+ 1	0·81	21	+ 5	1·1	+0·1	17	1008
2. ENGLAND, N.E.	58	25	82·3	77·8	80·1	+ 3·8	25	+ 18	4	− 31	2	− 2	0·17	4	− 9	1·7	+0·7	24	1012
3. ENGLAND, EAST ...	58	30	82·4	78·1	80·4	+ 4·2	26	+ 17	2	− 37	4	0	0·28	7	− 6	1·7	−0·3	23	1016
4. MIDLAND COUNTIES ...	58	30	82·3	78·1	80·3	+ 4·1	25	+ 16	3	− 37	4	0	0·32	8	− 7	1·0	−0·1	14	1017
5. ENGLAND, S.E.	56	28	82·6	78·8	80·8	+ 3·6	29	+ 16	0	− 29	2	− 2	0·26	7	− 7	1·6	+0·2	20	1018
Western.																			
6. SCOTLAND, WEST ...	54	30	81·8	77·9	79·9	+ 2·9	22	+ 13	3	− 26	7	+ 2	1·36	34	+ 6	1·1	+0·1	15	1012
7. ENGLAND, N.W.	58	30	82·6	78·8	80·7	+ 3·6	27	+ 17	0	− 28	6	+ 2	0·94	24	+ 5	0·7	−0·3	9	1016
8. ENGLAND, S.W.	53	33	82·2	79·5	80·9	+ 2·7	30	+ 13	0	− 22	4	− 1	0·41	10	− 13	1·4	−0·1	18	1021
9. IRELAND, NORTH ...	55	32	82·6	78·7	80·7	+ 3·0	27	+ 14	0	− 25	6	+ 1	0·78	20	− 1	1·1	−0·3	14	1013
10. IRELAND, SOUTH ...	59	29	83·4	79·7	81·6	+ 3·0	39	+ 19	0	− 19	5	0	0·32	8	− 17	1·3	−0·3	17	1021
11. ENGLISH CHANNEL ...	53	42	83·1	81·3	82·3	+ 2·2	47	+ 20	0	− 9	5	0	0·42	11	− 9	1·8	−0·2	22	1025
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W., January 11th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 2.

THE SECOND WEEK OF 1917.
SUNDAY, JANUARY 7TH, TO SATURDAY, JANUARY 13TH.

Price 6d., Post free 7d.
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I.—GENERAL SUMMARY. [First published 1878.]

The passage of a depression across the British Isles at the beginning of the week was associated with northerly gales in all districts. These subsided by Wednesday morning but a northerly type of conditions with low day temperatures continued throughout the week. Mean temperatures ranged from 274·2 a. in Scotland, East, to 277·2 a. in Ireland, South, everywhere about 1 a. below normal. The highest recorded temperatures were on Sunday and Wednesday when 282 a. or 283 a. was generally reached in the western districts. In the north-east many stations reported no reading higher than 278 a. Owing to the cloudy nature of the weather which prevailed in the east few low night minima were measured, readings below 270 a. being rare. Sea temperature ranged from 278 a. off the North-east coast of England to 281 a. off the South-west coast. The figures show a departure of about 0·5 a. below normal in the west. The weather was of a very disturbed character throughout the week. At many stations precipitation was measured on every day, a large part fell as snow, but from the returns received it does not appear that this lay to any great depth. The total rainfall in the week was much above the normal in nearly all districts, but falls of over 25 mm. in one day were very few in number; the greatest was 29·2 mm. on the 7th at Douglas. Sunshine was scanty in the east (about 10 per cent. of the possible duration) but there was a moderate allowance in the west (about 20 per cent). Optical phenomena of the halo type were fairly numerous, while a moon pillar was seen at Aberdeen on the evening of the 9th. An auroral arch was seen from the same station on the evening of the 12th, and auroral streamers were observed at Seskin, but no definite arch was visible.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	1	4·1	4	3·5	2	4·1	2	2·6	1	4·5	¼	3·4	2	2·8	1	5·1
North	6	5·7	3	6·7	4	5·3	5	4·1	6	9·9	6	12·1	5	6·2	6	7·8
West	5	4·3	5	3·9	3	2·5	5	2·5	5	6·5	4	7·0	7	6·4	4	6·0
East	2	4·4	1	1·0	2	2·8	0	—	2	3·3	1	4·1	¼	3·4	2	1·5
Calm	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Deficient
	Rainfall ...	Moderate	Heavy	Heavy	Very heavy	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 6 weeks from Dec. 3rd, 1916.	Warmth ...	2, 2, 2	1, 1, 4	1, 1, 4	1, 3, 2	1, 2, 3	1, 2, 3	2, 1, 3	1, 2, 3	1, 1, 4	2, 2, 2	1, 1, 4	1, 1, 4
	Rainfall ...	2, 2, 2	4, 2, 0	3, 2, 1	3, 3, 0	2, 3, 1	3, 2, 1	3, 1, 2	4, 1, 1	3, 1, 2	2, 3, 1	0, 4, 2	3, 2, 1
	Sunshine ...	0, 5, 1	1, 4, 1	2, 2, 2	0, 2, 4	1, 2, 3	0, 3, 3	4, 2, 0	3, 3, 0	2, 4, 0	3, 3, 0	2, 4, 0	1, 3, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10116—19.) Wt. 79a—736. 450. 1/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average.	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick	54	44	10, 11	30	10th	40·7	33·6	37·3	- 1·8	7	1·10	28	—	•	•	•	•	•	•	•	•	•	Lerwick.
p Deerness	180	43	10th	31	10th	39·6	34·1	37·0	- 2·0	6	1·10	28	+ 8	0·9	- 0·1	14	•	•	•	•	•	•	Deerness.
a Stornoway	51	45	10th	30	9, 10	40·3	32·3	36·9	- 2·4	7	1·65	42	+ 12	0·4	- 0·5	6	•	•	•	•	•	•	Stornoway
a Castlebay, Barra Isd.	37	48	10th	32	13th	?43·4	36·3	40·0	- 2·5	6	0·70	18	0	0·8	- 0·2	12	•	•	•	•	•	•	Castlebay.
b, Mainland. *a* Wick	81	42	8, 10, 12	28	8th	40·3	32·1	36·4	- 1·5	7	1·50	38	+ 24	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	42	10, 11	27	10th	39·6	30·9	35·4	- 1·9	7	0·75	19	+ 1	•	•	•	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	43	10th	24	9th	38·1	31·3	34·8	- 2·3	7	2·95	75	+ 17	•	•	•	•	•	•	•	•	•	
p Fort Augustus.. ..	68	44	11th	25	9th	40·0	31·1	35·7	- 2·0	7	1·02	26	- 5	0·2	- 0·4	3	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	45	11th	27	9th	40·0	31·9	36·1	- 2·8	7	0·95	24	- 31	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														0·3	- 1·5	4	5	17	34·1	-1·4	38·2	-0·5	Crathes.
p Gordon Castle	101	42	11th	28	8, 10	39·4	30·7	35·2	- 2·9	7	1·16	29	+ 17	0·2	—	3	•	•	•	•	•	•	Gordon Castle.
a Nairn	82	42	10, 11	28	8th	39·0	32·3	35·8	- 1·6	7	0·98	25	+ 13	0·3	- 1·0	4	•	•	•	•	•	•	Nairn.
a Aberdeen	46	39	11, 12	28	7, 10	37·9	30·6	34·4	- 3·5	7	1·17	30	+ 18	0·7	- 0·9	10	5	23	•	•	40·0	-0·2	Aberdeen.
a Balmoral	930	40	11th	16	10th	35·6	27·0	31·5	- 3·0	7	1·12	28	+ 10	•	•	•	7	11	•	•	•	•	Balmoral.
a Dundee	244	42	11th	23	10th	37·3	29·3	33·5	—	5	0·77	20	—	1·4	- 0·3	20	7	16	35·4	•	•	•	Dundee.
p Crieff	432	48	11th	25	10th	39·1	28·4	34·0	- 2·9	6	0·35	9	— 14	•	•	•	•	•	•	•	•	•	
a Leith	18	45	11th	28	10th	39·7	32·1	36·1	- 3·0	5	1·28	33	+ 24	•	•	•	3	21	•	•	•	•	
a West Linton	769	40	11th	19	10th	36·4	27·1	31·9	- 2·9	5	1·32	34	—	0·5	—	7	7	12	•	•	•	•	West Linton.
p Marchmont	498	40	11th	27	9th	36·7	30·7	33·8	- 2·6	7	2·66	68	+ 55	0·0	- 1·4	0	4	25	•	•	•	•	Marchmont.
a Edinburgh	441	44	11th	27	10th	38·1	31·3	34·8	- 3·2	5	1·08	27	+ 17	0·8	- 0·8	11	4	22	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	45	11th	—	—	41·0	—	—	—	5	1·12	28	- 1	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	45	11th	29	10th	40·0	32·7	36·5	- 2·1	4	0·93	24	+ 5	1·9	+ 1·2	27	5	21	•	•	•	•	Glasgow.
p Rothesay	170	46	11th	28	10th	41·0	32·6	37·0	- 2·6	5	1·49	38	+ 12	1·9	—	27	6	22	37·4	•	43·0	+0·5	Rothesay.
a Kilmarnock	90	46	11th	22	10th	40·7	31·0	36·0	- 4·0	7	1·69	43	+ 23	1·4	—	20	6	19	37·1	•	41·6	•	Kilmarnock.
a Colmonell	170	46	11th	25	10th	41·1	32·7	37·1	- 3·3	6	1·70	43	+ 18	•	•	•	1	21	•	•	•	•	Colmonell.
p Cally, Gatehouse	120	45	11th	25	10th	40·4	31·4	36·1	- 2·2	4	1·86	47	+ 22	•	•	•	•	•	•	•	•	•	
a Dumfries	160	45	11th	27	13th	40·0	31·1	35·7	- 2·3	5	0·86	22	+ 5	1·6	—	22	6	21	36·0	•	41·3	•	Dumfries.
Eskdalemuir	784	39	11th	25	11, 13	35·4	28·1	31·9	—	5	1·85	47	+ 21	1·5	—	21	6	19	•	•	•	•	Eskdalemuir.
b, I. OF MAN. *p* Douglas	277	45	11th	30	10th	42·0	34·4	38·4	- 2·5	4	1·86	47	+ 28	1·9	+ 0·3	26	1	24	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	42	11th	29	10th	39·7	32·1	36·1	- 2·0	7	2·16	55	+ 42	0·3	- 1·4	4	4	23	34·8	-1·9	40·3	+0·6	Cockle Park.
a Tynemouth	71	41	8, 9	28	10-12	39·6	32·1	36·0	- 2·6	7	1·30	33	+ 24	•	•	•	•	•	•	•	•	•	Tynemouth
p Durham	336	39	7–9, 11	25	10th	37·9	31·0	34·6	- 2·5	7	1·85	47	+ 38	0·5	- 1·0	7	3	25	•	•	•	•	Durham.
a North .. *p* Rounton	249	40	8, 9, 11	26	10th	38·1	30·9	34·6	- 2·4	7	1·94	49	+ 40	•	•	•	6	23	35·9	•	•	•	Rounton.
a West Witton	605	39	11th	26	10th	37·1	30·3	33·8	—	7	1·85	47	—	•	•	•	7	25	36·6	•	40·5	•	West Witton.
p Scarborough† ..	100	41	7, 10–12	33	7th	40·1	34·7	37·5	- 1·2	7	1·86	47	+ 35	0·1	- 1·3	1	•	•	•	•	44·1	•	Scarborough.
p York	56	40	7, 9	29	10th	37·9	32·9	35·5	- 2·4	7	2·11	54	+ 44	0·3	- 0·7	4	•	•	38·2	-0·3	42·3	+0·3	York.
b, South .. *a* Spurn Head	26	40	8, 9	30	11th	38·1	33·0	35·7	- 2·7	7	1·50	38	+ 30	0·0	—	0	•	•	•	•	•	•	Spurn Head.
a Lincoln	68	44	8th	30	7, 10, 11	39·3	31·7	35·7	- 1·4	7	1·32	34	+ 24	•	•	•	•	•	36·0	-0·7	42·0	0·0	Lincoln.
a Fulbeck	180	42	7th	28	10th	37·3	30·9	34·2	- 2·9	7	1·33	34	+ 24	1·2	- 0·4	16	•	•	37·7	-1·2	42·9	+2·0	Rauceby.
														1·3	- 0·5	17	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	44	12th	27	9th	40·1	30·4	35·4	- 2·5	7	0·87	22	+ 13	0·9	- 0·9	12	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	43	13th	28	10, 11	39·0	30·1	34·7	- 2·2	7	1·71	43	+ 31	0·9	- 0·6	12	5	25	•	•	•	•	Lit. Massingham.
a Yarmouth	13	43	7, 8	30	11, 12	40·4	32·3	36·5	- 1·3	6	1·34	34	+ 24	1·1	—	14	?	?	39·0	+0·8	44·3	+1·2	Yarmouth.
a Norwich	93	43	7th	29	11th	39·0	32·3	35·8	- 1·6	7	1·35	34	+ 22	0·9	—	12	5	24	37·3	•	•	•	Norwich.
a Geldeston	37	44	7th	28	11th	40·9	30·9	36·1	- 1·9	7	1·27	32	+ 23	1·0	- 0·8	13	•	•	•	•	•	•	Geldeston.
p Cambridge	41	45	8th	25	10, 11	38·9	30·9	35·1	- 2·5	7	0·93	24	+ 15	1·2	- 0·5	16	7	20	38·2	0·0	43·4	+0·5	Cambridge.
a Clacton-on-Sea ..	54	45	7th	29	11th	40·1	32·9	36·6	- 1·3	6	0·60	15	+ 7	1·2	- 0·7	15	3	24	39·6	-0·4	44·8	-0·1	Clacton.
a Rothamsted	424	44	7th	25	11th	37·7	30·0	34·0	- 3·2	7	1·15	29	+ 17	1·2	- 0·5	15	5	21	37·8	•	•	•	Rothamsted.
p Tottenham	51	46	8th	31	10, 11	39·7	33·0	36·5	- 2·4	5	0·64	16	—	0·5	—	6	3	26	•	•	44·3	-0·1	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	39	11th	27	10th	37·0	30·1	33·7	- 3·0	7	1·57	40	+ 26	1·2	- 0·4	16	3	20	37·3	-1·4	40·8	+0·2	Harrogate.
p Buxton	987	39	11th	25	10th	35·4	30·4	33·0	- 2·3	6	1·18	30	+ 4	0·8	—	11	3	23	35·6	-2·7	40·6	-2·7	Buxton.
														0·9	- 0·4	12	2	24	37·3	-0·6	42·1	0·0	Sheffield.
a Bawtry	65	40	7, 11	30	10th	38·1	31·6	35·0	- 2·4	7	1·65	42	+ 33	0·8	- 0·4	11	4	21	36·6	•	41·0	•	Worksop.
a Nottingham	82	43	7th	31	11th	39·0	33·0	36·1	- 1·5	7	1·46	37	+ 27	0·1	- 1·0	1	4	26	36·0	-0·9	40·4	-0·1	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	43	8, 9	29	10th	39·9	31·3	35·8	- 2·0	5	1·35	34	+ 22	0·1	- 1·0	1	6	24	38·4	-1·4	44·2	-0·4	Birmingham.
a Raunds	203	39	7, 11, 12	27	11th	37·6	30·0	34·0	- 3·5	6	1·45	37	+ 28	•	•	•	6	18	40·0	•	44·0	•	Raunds.
p Oxford	208	46	8th	30	10th	40·0	32·4	36·4	- 2·0	7	1·07	27	+ 17	0·8	- 0·9	10	3	24	•	•	•	•	Oxford.
c, West .. *a* Cheadle	646	40	7th	25	10th	37·0	29·7	33·5	- 3·0	6	1·87	47	+ 32	•	•	•	5	22	•	•	•	•	Cheadle.
p Shrewsbury	191	46	11th	29	10th	42·6	31·9	37·5	- 1·6	5	1·59	41	+ 31	•	•	•	7	23	•	•	•	•	Shrewsbury.
a Hereford§	291	45	7, 12	28	10th	40·9	30·7	36·0	- 2·1	4	0·80	20	+ 8	1·7	—	22	7	21	37·1	•	41·8	•	Malvern.§
a Clifton	229	47	7th	31	10, 13	41·4	34·1	37·9	- 1·4	5	0·48	12	- 2	1·7	—	22	4	27	•	•	•	•	Clifton.
5. ENGLAND, S.E.														1·3	- 0·7	16	4	21	40·2	+0·9	45·3	+0·6	Worthing.
a Marlborough	424	46	7th	27	11th	40·6	31·0	36·0	- 1·4	6	1·12	28	+ 14	1·1	- 0·3	14	4	20	37·8	•	44·0	•	Marlborough.
a Margate	53	42	7, 8, 11	30	11th	41·1	34·3	37·8	- 1·4	7	1·03	26	+ 17	0·3	- 1·4	4	3	26	40·4	+0·7	44·5	+1·6	Margate.
a Wisley, Surrey ..	150	47	7th	29	11th.	40·1	33·0	36·7	- 1·5	7	0·63	16	+ 6	0·9	- 0·8	11	4	17	39·4	0·0	44·0	+0·8	Wisley.
p Salisbury (Wilton) ..	180	46	7th	27	10th	41·3	30·9	36·3	- 1·5	5	1·44	37	+ 20	•	•	•	4	26	38·3	•	•	•	Salisbury.
a Tunbridge Wells ..	354	47	7th	27	11th	39·9	31·7	36·0	- 1·6	7	0·74	19	+ 5	0·7	- 1·0	9	4	19	39·9	+1·7	44·3	•	Tunbridge Wells.
a Dungeness	21	47	7th	30	11th	41·3	34·9	38·2	- 1·1	7	1·31	33	+ 22	1·1	—	14	•	•	•	•	•	•	Dover.
p St. Leonards	178	47	8th	30	11th	41·4	32·9	37·3	- 2·3	6	0·59	15	+ 2	1·5	- 0·5	19	4	26	39·0	•	44·6	•	St. Leonards.
p Southampton	64	47	8th	29	11th	41·6	32·3	37·1	- 3·0	6	1·05	27	+ 12	1·0	- 0·7	13	4	20	•	•	•	•	Southampton.
a Ventnor	59	48	8th	31	10th	42·4	34·4	39·1	- 2·6	6	0·94	24	+ 9	1·2	- 0·7	15	•	•	•	•	•	•	Ventnor.
LONDON. *p* Richmond (Kew Obs.)	18	47	8th	29	11th	41·0	32·4	36·9	- 2·0	7	0·70	18	+ 8	1·2	- 0·2	15	3	24	38·5	-0·4	44·1	0·0	Kew Obs.
a Westminster	27	47	7th	29	11th	41·0	34·1	37·7	- 1·9	5	0·72	18	+ 9	0·2	- 0·5	3	3	28	•	•	•	•	Westminster.
a Greenwich	155	46	7th	28	11th	39·9	33·0	36·6	- 3·3	7	0·59	15	+ 4	0·4	- 0·9	5	3	25	•	•	•	•	Greenwich.
a Hampstead	450	45	7th	28	10, 11	38·2	30·7	34·6	—	7	0·81	21	—	1·1	—	14	7	15	•	•	•	•	Hampstead.
a Camden Square ..	110	46	7th	30	7, 11	40·1	32·7	36·6	- 2·2	7	0·80	20	+ 9	0·8	- 0·3	10	3	26	•	•	•	•	Camden Square.
7. *a*, ENGLAND, N.W.														0·8	- 0·9	11	•	•	•	•	•	•	Hoylake.
p Aspatria (Mealsgate)	487	43	11th	22	10th	38·7	30·1	34·6	- 3·5	5	0·84	21	+ 3	0·3	- 1·2	4	6	18	37·7	•	42·9	•	Aspatria.
p Newton Rigg	559	40	7, 11	20	10th	37·0	29·3	33·3	- 3·6	7	1·34	34	+ 16	0·2	- 1·1	3	5	?18	37·9	-0·5	41·6	+0·6	Newton Rigg.
p Stonyhurst	376	42	11, 12	27	10th	39·4	32·1	35·9	- 1·9	3	0·93	24	- 1	1·2	+ 0·1	16	5	21	•	•	•	•	Stonyhurst.
p Blackpool	66	44	11th	29	10, 11, 13	40·7	32·4	36·7	- 2·0	5	0·98	25	+ 9	1·4	- 0·2	18	3	19	39·9	•	44·6	•	Blackpool.
a Southport	37	43	11th	29	10, 11, 13	40·1	32·1	36·3	- 2·4	5	1·15	29	+ 14	1·4	- 0·2	18	4	19	36·3	-1·2	40·6	-0·3	Southport.
a Liverpool (Bidston) ..	188	44	11th	33	8, 10	40·4	35·1	37·9	- 1·4	5	1·02	26	+ 14	1·4	—	18	3	27	•	•	•	•	Liverpool.
a Hawarden Bridge ..	22	46	11th	31	9, 10	41·6	33·9	37·9	- 2·0	5	1·45	37	+ 25	0·5	0·0	7	2	25	37·0	-1·1	42·7	-0·4	Manchester (City)
p Manchester (Whit. Pk.)	125	43	12th	28	10th	40·2	33·6	37·0	- 2·1	5	1·20	31	+ 17	0·0	- 0·6	0	•	•	•	•	•	•	" (Whit. Park)
b, NORTH WALES.																							
p Llandudno	71	47	12th	35	8, 10	43·7	36·9	40·4	- 0·7	4	0·67	17	+ 2	0·8	- 1·0	11	•	•	•	•	•	•	Llandudno.
a Holyhead ..	15	46	10, 11	36	8-10	43·9	37·7	40·9	- 0·9	5	1·42	36	+ 19	1·0	—	13	0	31	•	•	•	•	Holyhead.
p Bettws-y-Coed ..	148	45	11, 12	29	10th	41·9	34·3	38·3	- 1·5	6	2·02	51	—	0·4	—	5	•	•	39·3	-0·5	44·6	+0·8	Bettws-y-Coed.
														1·3	- 0·6	17	•	•	•	•	•	•	Aberdovey.

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.	Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
8. *a*, SOUTH WALES														1·4	− 0·5	18							
a Rhayader	550	—	—	—	—	—	—	—	—	—	—	—	—	•	•	•	•	•	•	•	•	•	Aberystwyth.
a St. Ann's Head	149	48	7th	?37	10th	44·6?	38·7	?41·8	− 0·9	7	1·06	27	+ 8	1·6	− 0·1	20	•	•	•	•	•	•	Rhayader.
p Cardiff	202	47	8th	30	10, 13	42·7	33·3	38·2	− 0·7	5	0·74	19	− 2	2·7	—	34	3	22	39·2	+0·1	43·7	−0·2	St. Ann's Head.
																							Cardiff.
b, ENGLAND S.W.																							
a Bath	66	44	11th	30	11th	41·3	32·6	37·1	− 2·4	5	1·16	29	+ 11	•	•	•	•	•	39·3	−1·2	44·0	−1·3	Bath.
a Shaftesbury	722	45	7th	27	10th	39·0	31·3	35·3	− 2·3	5	0·87	22	+ 7	•	•	•	•	•	37·7	•	43·1	•	Shaftesbury.
a Arlington	613	47	7th	30	10th	41·1	33·0	37·2	− 2·0	6	1·23	31	+ 3	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	190	49	7th	36	13th	45·3	38·6	42·1	− 0·8	7	1·73	44	+ 26	1·1	− 0·7	14	•	•	44·4	•	46·9	•	Newquay.
a Cullompton	202	48	7th	29	10th	43·0	33·0	38·2	− 1·5	6	1·00	25	+ 6	1·8	+ 0·3	23	4	19	40·4	•	•	•	Cullompton.
a Portland Bill	19	46	7th	36	13th	43·6	39·1	41·4	− 0·7	5	0·63	16	+ 3	2·1	—	26	•	•	•	•	•	•	Weymouth.
p Plymouth	116	50	8th	32	10th	44·7	35·4	40·2	− 2·0	6	1·43	36	+ 17	2·0	+ 0·3	25	•	•	41·0	−1·0	45·7	•	Plymouth.
a Falmouth	167	50	7th	35	10, 11	45·3	37·3	41·5	− 1·9	6	2·28	58	+ 34	2·1	+ 0·2	26	2	29	42·6	•	46·0	•	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	46	10, 11	35	13th	43·4	37·0	40·3	− 0·6	7	1·74	44	+ 29	1·1	—	16	•	•	•	•	•	•	Malin Head.
a Blacksod Point ..	327	48	10th	34	9, 13	43·4	37·1	40·4	− 2·3	7	1·42	36	+ 7	•	•	•	•	•	•	•	•	•	
p Markree Castle ..	122	49	10, 11	28	10th	44·4	34·0	39·4	− 0·2	6	1·57	40	+ 18	1·5	+ 0·1	20	4	26	40·6	•	44·8	•	Markree Castle.
b, East .. { *p* Armagh	196	46	11th	30	10th	41·9	32·7	37·5	− 1·9	6	0·99	25	+ 11	1·6	+ 0·2	22	4	24	40·2	−0·1	44·5	+0·6	Armagh.
a Donaghadee	101	46	10, 11	33	10th	42·6	35·3	39·1	− 1·5	5	1·15	39	+ 15	•	•	•	•	•	•	•	•	•	
																	2	25	40·4	−0·4	44·6	+0·3	Trinity Coll.
10. IRELAND, S.														2·1	+ 0·3	28	4	23	•	•	•	•	Phœnix Park.
p Dublin, City	47	47	11th	31	10th	42·9	35·0	39·1	− 2·7	6	0·53	13	0	•	•	•	3	28	•	•	•	•	Dublin City.
a, East .. { *a* Kilkenny	212	48	10th	27	10th	43·1	31·9	37·7	− 2·2	4	0·46	12	− 6	•	•	•	•	•	•	•	•	•	
a Waterford	20	48	7, 11	29	10th	43·7	33·9	39·0	− 2·6	3	0·74	19	− 2	•	•	•	•	•	•	•	•	•	
a Seskin, Carrick-on-Suir	541	47	11th	29	10, 13	41·7	32·1	37·1	—	3	0·66	17	—	2·2	—	29	5	22	•	•	•	•	Seskin.
{ *a* Birr Castle	175	48	10th	29	10th	43·3	32·1	37·9	− 1·9	4	0·55	14	− 2	1·8	+ 0·2	24	5	21	•	•	•	•	Birr Castle.
a Foynes	50	49	10th	30	8th	44·3	36·0	40·3	− 1·6	6	1·01	26	+ 4	•	•	•	•	•	•	•	•	•	
b, West .. { *a* Cahir	199	49	10th	30	10th	43·7	32·9	38·5	− 3·2	4	0·83	21	—	•	•	•	•	•	•	•	•	•	
a Killarney	174	50	7, 10	30	10th	45·4	34·4	40·1	− 2·5	7	1·76	45	+ 11	•	•	•	•	•	•	•	•	•	
a Cahirciveen (Val. Obs.)	30	51	7, 10	35	10, 13	46·3	37·4	42·0	− 2·4	6	1·82	46	+ 15	0·9	− 0·7	12	0	31	•	•	•	•	Valencia Obs.
a Roche's Point	32	50	7th	34	10th	45·0	37·1	41·2	− 2·3	3	0·88	22	− 2	2·8	—	35	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	7th	37	10th	46·9	39·9	43·5	− 2·2	7	1·41	36	+ 19	0·7	− 1·2	9	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	51	7th	35	7, 11	45·3	37·0	41·3	− 1·3	6	1·57	40	+ 23	1·4	− 0·8	17	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	50	7th	36	11th	44·4	39·1	41·9	− 1·4	5	1·06	27	+ 9	1·6	− 0·3	19	2	27	42·4	−1·5	47·3	+0·2	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 13th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	14	81	48	25	—	7	8	14	18	8	14	0
Aberdeen	153	105	52	—	—	8	5	48	88	27	0	NE.	12	8	11	19	8	13	20
Edinburgh	485	39	51	—	—	8, 10	9	93	64	2	0	N. by E.	14	8	16	22	8	16	0
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	8	1	8, 9, 11, 12	42	61	48	16	0	NNE.	17	8	19	27	8	18	45
Paisley	188	81	52	—	—	—	—	20	110	38	0	NE.	8	8	15	18	8	15	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	8, 9	5	62	75	25	1	—	12	9	3	22	8	20	20
South Shields	72	61	12	9	1	8, 9, 13	37	57	72	1	0	NE.	17	9	2	25	9	1	20
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	7 to 10	35	41	65	4	23	—	16	9	7	23	9	23	20
Shoeburyness	103	90	‡	—	—	7, 9	18	112	38	0	0	S. by W.	13	7	22	21	9	11	35
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	8, 9	24	73	56	15	0	NNW.	14	8	20	22	8	23	25
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	7 to 13	64	54	12	7	31	—	17	9	9	23	9	18	45
Warlingham	642	33	‡	—	—	—	—	50	102	9	7	—	9	9	15	23	9	10	20
Brighton	281	53	6	—	—	8	2	99	57	10	0	—	11	8	11	19	9	7	40
Richmond (Kew Obs.) ..	82	65	22	—	—	9	5	60	96	7	0	N.	12	9	12	22	9	11	25
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	43	79	46	0	NNW.	11	8	11	17	8	21	30
Southport	80	62	48	8	4	8, 9, 11 to 13	62	64	35	3	0	N. by W.	18	8	11	25	8	11	10
Holyhead	60	40	‡	8, 9	34	7, 9 to 13	70	54	10	0	0	N.	22	8	20	29	8	6	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	7, 9	2	7 to 9, 12	54	42	16	5	49	N.	18	9	2	27	9	1	30
Plymouth	185	88	2	—	—	8, 9, 11	26	77	56	9	0	—	14	8	17	25	8	16	20
Lyme Regis	556	61	‡	8	1	8, 9, 12	46	62	37	22	0	—	17	8	13	26	8	16	0
10. IRELAND, S.																			
Cahirciveen (Val. Obs.)	98	41	‡	—	—	7 to 9, 11 to 13	33	108	16	11	0	N. by E.	15	8	20	26	8	11	30
Quilty	100	40	‡	—	—	7 to 13	103	38	4	0	23	—	17	12	10	26	12	7	50
Weaver Pt.	160	50	‡	—	—	8, 9, 12, 13	23	90	44	11	0	—	13	8	11	20	8	10	55
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	7 to 9, 12	23	7 to 9, 11 to 13	93	32	9	8	3	NNW.	19	8	17	28	8	11	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, is given in the Guide to the Tables of the Weekly Weather Report.

SECOND WEEK of 1917—January 7th, 1917, to January 13th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	45	24	77·4	73·0	75·3	− 0·8	0	− 5	41	+ 4	7	+ 2	1·42	36	+ 7	0·5	−0·2	8	1003
Eastern.																			
1. SCOTLAND, EAST ...	48	16	76·3	71·8	74·2	− 1·3	0	− 4	55	+ 11	6	+ 2	1·26	32	+ 19	0·6	−0·4	8	1004
2. ENGLAND, N.E.	44	25	76·7	73·1	74·9	− 1·3	0	− 6	46	+ 9	7	+ 3	1·71	43	+ 33	0·6	−0·4	8	1009
3. ENGLAND, EAST ...	46	25	77·2	72·7	75·0	− 0·9	0	− 7	45	+ 4	7	+ 3	1·10	28	+ 18	1·0	−0·4	13	998
4. MIDLAND COUNTIES ...	47	25	77·1	72·7	75·0	− 0·8	0	− 8	45	+ 2	6	+ 2	1·33	34	+ 23	0·8	−0·4	10	1001
5. ENGLAND, S.E.	48	27	78·1	73·4	75·8	− 1·0	0	− 11	34	0	6	+ 2	0·96	24	+ 12	1·0	−0·4	13	1000
Western.																			
6. SCOTLAND, WEST ...	46	22	77·8	73·2	75·6	− 1·3	0	− 7	37	+ 6	5	+ 1	1·44	37	+ 14	1·9	+0·9	26	1004
7. ENGLAND, N.W.	47	20	77·8	73·8	75·9	− 1·0	0	− 9	33	+ 3	5	+ 1	1·20	30	+ 15	0·8	−0·2	11	1004
8. ENGLAND, S.W.	50	27	79·0	74·6	76·9	− 0·8	2	− 12	26	+ 2	6	+ 2	1·16	29	+ 10	1·7	+0·2	21	1006
9. IRELAND, NORTH ...	49	28	79·2	74·5	76·9	− 0·5	3	− 8	27	0	6	+ 1	1·24	31	+ 11	1·6	+0·3	21	1007
10. IRELAND, SOUTH ...	51	27	79·8	74·4	77·2	− 1·0	6	− 11	29	+ 8	5	+ 1	0·95	24	+ 1	1·9	+0·3	25	1011
11. ENGLISH CHANNEL ...	51	35	80·5	76·7	78·7	− 0·9	15	− 7	9	− 1	6	+ 1	1·35	34	+ 16	1·2	−0·7	15	1007

THE SEASON (Winter).—Aggregates, &c., for the Period of 6 Weeks, December 3rd, 1916, to January 13th, 1917.

0. SCOTLAND, NORTH ...	53	23	78·5	74·1	76·4	− 0·3	16	− 29	196	+ 2	36	+ 5	8·64	218	+ 26	0·5	−0·1	7	1000
Eastern.																			
1. SCOTLAND, EAST ...	54	11	77·8	72·6	75·3	− 0·7	14	− 26	273	+ 31	30	+ 5	5·40	137	+ 42	1·0	0·0	15	1001
2. ENGLAND, N.E.	58	13	78·3	73·7	76·1	− 0·6	31	− 17	223	+ 26	28	+ 6	4·89	123	+ 49	1·2	0·0	16	1002
3. ENGLAND, EAST ...	58	20	78·8	73·8	76·4	− 0·1	35	− 20	208	− 15	29	+ 5	4·16	106	+ 38	1·0	−0·4	14	1003
4. MIDLAND COUNTIES ...	58	16	78·1	72·8	75·6	− 0·8	34	− 25	269	+ 39	26	+ 3	4·15	106	+ 26	0·9	−0·3	12	1004
5. ENGLAND, S.E.	56	15	79·2	74·3	76·8	− 0·8	41	− 46	185	+ 21	25	+ 1	4·97	126	+ 42	1·2	−0·3	15	1005
Western.																			
6. SCOTLAND WEST ...	54	19	79·0	74·4	76·8	− 0·6	44	− 20	175	+ 19	34	+ 6	7·39	188	+ 14	1·4	+0·4	20	1003
7. ENGLAND, N.W.	58	20	78·9	74·1	76·6	− 0·8	39	− 29	196	+ 39	30	+ 5	5·01	127	+ 16	1·3	+0·3	17	1004
8. ENGLAND, S.W.	59	20	79·6	74·6	77·2	− 1·3	52	− 59	167	+ 51	28	+ 1	5·88	148	+ 3	1·9	+0·4	25	1006
9. IRELAND, NORTH ...	59	21	79·6	74·9	77·3	− 0·6	60	− 19	156	+ 17	33	+ 3	5·46	138	+ 10	1·7	+0·5	23	1004
10. IRELAND, SOUTH ...	59	18	79·9	74·5	77·3	− 1·5	81	− 47	179	+ 73	32	+ 4	4·60	117	− 36	1·7	+0·2	23	1007
11. ENGLISH CHANNEL ...	55	30	81·6	77·7	79·8	− 0·6	142	− 36	45	+ 7	34	+ 4	6·61	167	+ 39	2·0	+0·1	25	1007

THE YEAR 1917.—Aggregates, &c., for the Period of 2 Weeks, December 31st, 1916, to January 13th, 1917.

0. SCOTLAND, NORTH ...	53	23	78·6	74·3	76·6	+ 0·3	6	− 5	63	− 9	14	+ 4	4·00	101	+ 43	0·4	−0·3	7	1005
Eastern.																			
1. SCOTLAND, EAST ...	54	14	78·4	73·6	76·1	+ 0·5	9	− 1	79	− 7	11	+ 3	2·07	53	+ 24	0·9	−0·2	13	1006
2. ENGLAND, N.E.	58	25	79·5	75·5	77·5	+ 1·2	25	+ 12	50	− 22	9	+ 1	1·88	47	+ 24	1·2	+0·1	16	1006
3. ENGLAND, EAST ...	58	25	79·8	75·4	77·7	+ 1·6	26	+ 10	47	− 33	11	+ 3	1·38	35	+ 12	1·4	−0·1	18	1007
4. MIDLAND COUNTIES ...	58	25	79·7	75·4	77·7	+ 1·7	25	+ 8	48	− 35	10	+ 2	1·65	42	+ 16	0·9	−0·3	12	1009
5. ENGLAND, S.E.	56	27	80·4	76·1	78·3	+ 1·3	29	+ 5	34	− 29	8	0	1·22	31	+ 5	1·3	−0·2	17	1009
Western.																			
6. SCOTLAND, WEST ...	54	22	79·8	75·6	77·8	+ 0·8	22	+ 6	40	− 20	12	+ 3	2·80	71	+ 20	1·5	+0·5	20	1008
7. ENGLAND, N.W.	58	20	80·2	76·3	78·3	+ 1·3	27	+ 8	33	− 25	11	+ 3	2·14	54	+ 20	1·5	+0·4	20	1010
8. ENGLAND, S.W.	53	27	80·6	77·1	78·9	+ 0·9	32	+ 1	26	− 20	10	+ 1	1·57	39	− 3	1·5	0·0	19	1014
9. IRELAND, NORTH ...	55	28	80·9	76·6	78·8	+ 1·2	30	+ 6	27	− 25	12	+ 2	2·02	51	+ 10	1·3	0·0	18	1010
10. IRELAND, SOUTH ...	59	27	81·6	77·1	79·4	+ 1·0	45	+ 8	29	− 11	10	+ 1	1·27	32	− 16	1·6	+0·1	19	1016
11. ENGLISH CHANNEL ...	53	35	81·8	79·0	80·5	+ 0·6	62	+ 13	9	− 10	11	+ 1	1·77	45	+ 7	1·5	−0·4	18	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W., January 18th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 3.

THE THIRD WEEK OF 1917.

SUNDAY, JANUARY 14TH, TO SATURDAY, JANUARY 20TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

Northerly to North-Easterly and Easterly types of conditions prevailed throughout the period. The wind was generally moderate, and at no time attained the force of a gale. Temperature remained below the normal in all parts of the Kingdom. In most districts the divergence was considerable, and in the south-west very considerable. Maximum readings as high as 278 a. were rarely recorded except on the western and south-western promontories, and on some days large areas had a maximum of about 273 a. Frost was general at night, but not always severe. The lowest minimum readings were reported, as a rule, on the 16th or 17th. At Cahir on the latter date the value was 264 a. and at other Irish stations the temperatures were nearly as low. The lowest minimum readings on the grass were 262·5 a. at Phœnix Park, Dublin, and 263 a. at Markree Castle. The range of temperature between the day and the night was generally very slight.

The mean temperature of the sea water was lower than during the preceding week, and also below the normal except off the north-east coast of Britain. The mean ranged from 280 a. at Plymouth to about 277·5 a. at Eastbourne and off the south-west coast of Ireland.

Snow fell on most days over the eastern half of Britain, but was less frequent in the western districts. In Scotland West and England South-West precipitation occurred on one day only. The actual quantity varied greatly, from 1 mm. to 2 mm. in Scotland West, England South-West, and Ireland North to 10 mm. in Scotland East and to 24 mm. in England North-East. The last two values were respectively 200 and 300 per cent. of the normal. The greatest depth of snow reported was 30 cm. at West Witton on the 15th. The duration of bright sunshine exceeded the normal in England South-West and in Ireland, but in most other districts it was very scanty. At several stations in the eastern half of Britain the record was nil, and over the eastern districts generally less than half an hour per day. Lightning was observed at Falmouth on the 14th and a thunderstorm occurred on the 16th. At Oxford a faint solar halo was observed on the 17th.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	4	4·7	0	—	1	2·2	¼	1·0	0	—	2	1·9	2	2·5	2	1·8
North	3	5·0	7	3·1	5	5·3	7	3·3	5	4·3	1	3·4	4	5·1	4	2·9
West	1	0·4	1	1·3	0	—	¼	0·8	0	—	¼	1·3	2	4·0	0	—
East	6	4·7	5	2·5	7	8·2	4	2·1	7	5·3	6	5·0	5	7·5	7	4·1
Calm	0	—	0	—	0	—	0	—	0	—	¼	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Very light	Moderate	Heavy	Moderate	Light	Light	Very light	Very light	Very light	Very light	Very light	Light
	Sunshine ...	Moderate	Very scanty	Scanty	Very scanty	Very scanty	Very scanty	Moderate	Scanty	Abundant	Abundant	Abundant	Scanty

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 7 weeks from Dec. 3rd, 1916.	Warmth ...	2, 2, 3	1, 1, 5	1, 1, 5	1, 3, 3	1, 2, 4	1, 2, 4	2, 4	1, 2, 4	1, 1, 5	2, 2 3	1, 1, 5	1, 1, 5
	Rainfall ...	2, 2, 3	4, 3, 0	4, 2, 1	3, 4, 0	2, 3, 2	3, 2, 2	3, 1, 3	4, 1, 2	3, 1, 3	2, 3, 2	0, 4, 3	3, 2, 2
	Sunshine ...	0, 6, 1	1, 4. 2	2, 2, 3	0, 2, 5	1, 2, 4	0, 3, 4	4, 3, 0	3, 3, 1	3, 4, 0	4, 3, 0	3, 4, 0	1, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of 3° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10170–19.) Wt. 79a—736. 450. 1/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
0. SCOTLAND, N.																							
a, Islands..	a Lerwick..	54	41	17, 18	33	14th	39·4	34·9	37·2	- 1·9	4	0·22	6	—	*	*	*	*	*	*	*	*	Lerwick.
	p Deerness	160	42	18th	33	17th	38·9	35·0	37·0	- 2·0	3	0·20	5	- 15	0·7	- 0·3	10	*	*	*	*	*	*	Deerness.
	a Stornoway	31	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*	*	*	*	*	*	Stornoway.
	a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*	*	*	*	*	*	Castlebay.
b, Mainland.	a Wick	81	42	18th	28	17th	39·9	32·6	36·4	- 1·5	6	0·30	8	- 6	*	*	*	*	*	*	*	*	*	*
	p Strathpeffer	200	39	15th	24	16th	37·3	28·9	33·3	- 4·0	1	0·01	0	- 18	*	*	*	*	*	*	*	*	*	Strathpeffer.
	p Glencarron	500	37	18, 19	20	16th	35·0	27·7	31·5	- 5·6	0	0·00	0	- 58	*	*	*	*	*	*	*	*	*	*
	p Fort Augustus.. ..	68	40	18-20	23	16th	37·9	31·3	34·7	- 3·0	1	0·27	7	- 24	0·8	+ 0·2	11	*	*	*	*	*	*	Fort Augustus.
	p Fort William	171	41	18th	26	16th	36·9	30·7	33·9	- 5·0	2	0·06	2	- 53	*	*	*	*	*	*	*	*	*	*
1. SCOTLAND, E.																								
	p Gordon Castle	101	39	14th	30	16, 17	37·3	31·4	34·5	- 3·6	4	0·19	5	- 7	0·2	- 1·6	3	5	21	33·9	- 1·3	37·9	- 0·1	Crathes.
	a Nairn	82	38	14th	26	17th	35·6	29·7	32·8	- 4·6	4	0·26	7	- 5	0·5	—	7	*	*	*	*	*	*	Gordon Castle.
	a Aberdeen	46	40	18th	32	14th	38·0	33·6	35·9	- 2·0	7	0·35	9	- 3	0·2	- 0·8	7	*	*	*	*	*	*	Nairn.
	a Balmoral	980	35	14th	24	15th	33·1	27·7	30·5	- 4·0	3	0·12	3	- 15	0·2	- 1·4	3	2	30	*	*	39·1	- 0·6	Aberdeen.
	a Dundee	244	38	18th	30	16, 17	36·3	31·1	33·8	—	6	0·33	8	—	*	*	*	7	22	*	*	*	*	Balmoral.
	p Crieff	432	39	17th	27	15th	36·0	29·4	32·8	- 4·1	5	0·30	8	— 15	0·4	- 1·3	5	5	27	34·3	*	*	*	Dundee.
	a Leith	18	39	14, 18, 20	32	14th	38·3	33·7	36·1	- 3·0	6	0·33	9	0	*	*	*	*	*	*	*	*	*	*
	a West Linton	769	35	17th	23	18th	33·7	27·7	30·8	- 4·0	6	0·48	12	—	0·2	—	3	3	25	*	*	*	*	West Linton.
	p Marchmont	498	37	19th	28	16th	35·4	30·0	32·8	- 3·6	6	1·18	30	+ 17	0·2	- 1·2	3	7	21	*	*	*	*	Marchmont.
	a Edinburgh	441	37	15, 20	31	14, 15, 17	36·0	31·7	33·9	- 4·1	4	0·46	12	+ 2	0·1	- 1·5	1	5	27	*	*	*	*	Edinburgh.
6. a SCOTLAND, W.																								
	a Poltalloch	132	39	18th	—	—	36·7	—	—	—	0	0·00	0	- 29	*	*	*	*	*	*	*	*	*	*
	p Glasgow Observatory	180	38	17, 18	32	17th	36·9	33·3	35·2	- 3·4	1	0·03	1	- 18	0·6	- 0·1	8	3	24	*	*	*	*	Glasgow.
	p Rothesay	170	39	19th	33	16, 17	37·4	33·9	35·7	- 3·9	2	0·04	1	- 15	0·5	—	7	4	26	36·1	*	41·6	- 0·5	Rothesay.
	a Kilmarnock	90	39	14, 19	28	17th	37·3	30·9	34·2	- 5·8	1	0·04	1	- 19	1·0	—	13	*	*	35·3	*	41·4	*	Kilmarnock.
	a Colmonell	170	43	16, 18	23	17th	39·3	28·4	34·1	- 6·3	1	0·02	1	- 24	*	*	*	7	19	*	*	*	*	Colmonell.
	p Cally, Gatehouse ..	120	41	17th	28	17th	38·9	30·7	35·0	- 3·3	1	0·02	1	- 24	*	*	*	*	*	*	*	*	*	*
	a Dumfries	160	39	20th	31	14, 17	37·3	32·1	34·8	- 3·2	2	0·04	1	- 16	0·6	—	8	7	24	34·2	*	39·6	*	Dumfries.
	Eskdalemuir	784	35	17, 18	24	14th	33·3	27·7	30·6	—	3	0·43	11	- 15	0·4	—	5	7	23	*	*	*	*	Eskdalemuir.
b, I. OF MAN.	p Douglas	277	42	17th	30	16th	38·6	33·7	36·3	- 4·6	3	0·10	3	- 16	1·9	+ 0·3	25	3	25	*	*	*	*	Douglas.
2. ENGLAND, N.E.																								
a North ..	a Alnwick Castle ..	210	40	18th	31	16, 17	37·6	32·4	35·1	- 3·0	7	0·69	18	+ 5	0·1	- 1·6	1	4	26	34·0	- 2·4	39·1	- 0·3	Cockle Park.
	a Tynemouth	71	41	18th	33	16, 17	38·9	34·4	36·7	- 1·9	7	0·67	17	+ 8	*	*	*	*	*	*	*	*	*	Tynemouth
	p Durham	336	38	19th	27	16th	36·3	30·7	33·1	- 4·0	7	1·01	26	+ 17	0·0	- 1·5	0	4	24	*	*	*	*	Durham.
	a West Witton	605	36	18th	28	16th	33·7	30·1	32·0	—	7	0·99	25	—	*	*	*	6	26	35·6	*	39·7	*	West Witton.
	p Scarborough†	100	?	?	32	17th	?	34·6	?	?	6	1·95	50	+ 38	0·1	- 1·3	1	*	*	*	*	44·0	*	Scarborough.
	p York	56	39	18th	30	16, 17	36·3	31·4	34·0	- 3·9	7	0·70	18	+ 8	0·1	- 0·9	1	*	*	36·9	- 1·1	41.5	+0·3	York.
b, South ..	a Spurn Head	26	39	14, 17, 18	31	16th	37·9	32·7	35·4	- 3·0	7	1·15	29	+ 21	0·0	—	0	*	*	*	*	*	*	Spurn Head.
	a Lincoln	58	38	18th	29	17th	35·4	31·6	33·6	- 3·5	6	0·56	14	+ 4	*	*	*	*	*	34·6	- 2·1	41·0	- 0·3	Lincoln.
	a Fulbeck	180	35	18, 19	23	16th	33·7	29·0	31·4	- 5·7	7	0·60	15	+ 5	0·2	- 1·4	3	5	28	36·0	- 1·0	42·0	- 0·9	Rauceby.
															0·4	- 1·4	5	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																								
	p Cromer	196	39	14, 18	29	20th	37·4	31·9	34·8	- 3·1	6	0·42	11	+ 2	0·4	- 1·4	5	*	*	*	*	*	*	Cromer.
	p Little Massingham ..	280	38	14th	22	16th	35·4	28·1	31·9	- 5·0	6	0·69	18	+ 6	0·4	- 1·1	5	6	23	*	*	*	*	Lit. Massingham.
	a Yarmouth	13	40	14, 15	30	20th	39·0	33·4	36·3	- 1·5	5	0·39	10	0	0·4	—	5	*	*	37·7	+0·6	42·9	+0·3	Yarmouth.
	a Norwich	93	38	14, 18	25	16th	36·0	31·0	33·6	- 3·8	7	0·37	9	- 3	0·4	—	5	5	21	35·6	*	*	*	Norwich.
	a Geldeston	37	40	14th	28	20th	37·1	30·9	34·1	- 3·9	6	0·25	6	- 3	0·5	- 1·3	6	*	*	*	*	*	*	Geldeston.
	p Cambridge	41	37	18-20	28	16th	35·9	31·6	33·8	- 3·8	7	0·10	3	- 6	0·1	- 1·6	1	7	20	36·5	- 1·1	42·2	- 0·2	Cambridge.
	a Clacton-on-Sea ..	54	38	18, 19	31	15, 16	36·3	32·3	34·4	- 3·5	4	0·57	14	+ 6	0·5	- 1·4	6	3	26	37·3	- 2·1	43·4	- 0·7	Clacton.
	a Rothamsted	424	34	14, 18, 19	26	16th	33·0	29·4	31·3	- 5·9	5	0·15	4	- 8	0·4	- 1·3	5	6	21	35·9	*	*	*	Rothamsted.
	p Tottenham	51	37	18-20	29	16th	36·3	32·1	34·3	- 4·6	5	0·11	3	—	0·1	—	1	3	28	*	*	42·8	- 0·9	Tottenham.
4. MIDLAND COUNTIES.																								
a North ..	a Harrogate	479	35	18th	29	15, 16	32·9	30·3	31·7	- 5·0	6	0·63	16	+ 2	0·2	- 1·4	3	5	24	36·3	- 1·7	39·8	- 0·4	Harrogate.
	p Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	0·0	- 1·3	0	4	28	35·9	- 1·3	41·3	- 0·4	Sheffield.
	p Buxton	987	34	18th	24	16th	32·4	28·1	30·3	- 5·0	4	0·21	5	- 21	0·2	—	3	6	22	34·5	- 2·8	40·0	- 2·3	Buxton.
b, East	a Bawtry	65	35	18, 19	26	16th	33·7	30·4	32·1	- 5·3	7	0·37	9	0	0·1	- 1·1	1	5	18	36·0	*	40·0	*	Worksop.
	a Nottingham	82	36	18, 19	24	16th	34·7	31·1	33·0	- 4·6	7	0·36	9	- 1	0·2	- 0·9	3	5	25	34·6	- 1·7	38·7	- 1·2	Nottingham.
	p Birmingham, Edgbsn.	535	36	18th	27	16th	35·0	29·9	32·6	- 5·2	4	0·15	4	- 8	0·0	- 1·1	0	7	23	36·2	- 3·7	42·9	- 1·3	Birmingham.
	a Raunds	203	36	18, 19	22	16th	34·1	28·9	31·6	- 5·9	4	0·19	5	- 4	*	*	*	7	25	38·6	*	44·0	*	Raunds.
	p Oxford	208	37	14, 18	28	16th	35·7	31·3	33·6	- 4·8	5	0·08	2	- 8	0·2	- 1·5	2	6	25	*	*	*	*	Oxford.
c, West	a Cheadle (N. Staffs.) ..	346	36	14th	23	16th	34·7	28·6	31·8	- 4·7	5	0·17	4	- 11	*	*	*	6	19	*	*	*	*	Cheadle.
	p Shrewsbury	191	?	?	28	16-18	?	29·9	?	?	1	0·02	1	- 9	*	*	*	7	22	*	*	*	*	Shrewsbury.
	a Hereford§	291	37	18, 19	28	16, 17	35·4	30·0	32·8	- 5·3	3	0·06	1	- 11	0·1	—	1	6	21	34·8	*	40·5	*	Malvern.§
	a Clifton	229	38	18th	28	16th	36·0	31·3	33·7	- 5·6	1	0·01	0·2	- 14	0·4	—	5	6	27	*	*	*	*	Clifton.
5. ENGLAND, S.E.																								
	a Marlborough	424	39	15th	28	16th	35·6	30·6	33·2	- 4·2	3	0·03	2	- 12	0·4	- 1·6	5	5	23	37·8	- 0·8	44·4	+0·4	Worthing.
	a Margate	53	40	16th	32	15, 16, 20	38·9	33·4	36·3	- 2·9	5	0·70	18	+ 9	0·1	- 1·3	1	5	21	37·1	*	43·6	*	Marlborough.
	a Wisley, Surrey ..	150	37	18th	28	16th	35·1	31·4	33·3	- 4·9	4	0·12	3	- 7	0·1	- 1·6	1	5	24	37·9	- 0·9	42·8	+0·6	Margate.
	p Salisbury (Wilton) ..	180	38	14th	25	16th	35·5	29·9	32·8	- 5·0	1	0·03	1	- 16	0·1	- 1·6	1	5	15	37·7	- 0·6	42·8	0·0	Wisley.
	a Tunbridge Wells ..	354	36	14, 19	28	16th	34·7	31·0	32·9	- 4·7	6	0·30	8	- 6	*	*	*	6	20	36·0	*	*	*	Salisbury.
															0·0	- 1·7	0	6	18	38·2	- 3·9	43·1	*	Tunbridge Wells.
	a Dungeness	21	38	15, 19	33	18th	36·9	34·6	35·8	- 3·5	5	0·24	6	- 5	0·4	- 1·6	5	5	23	37·8	- 0·8	44·4	+0·4	Worthing.
	p St. Leonards	178	38	14th	31	16, 20	36·6	32·3	34·5	- 5·1	5	0·17	4	- 9	0·1	- 1·3	1	5	21	37·1	*	43·6	*	Marlborough.
	p Southampton	64	38	14, 18	28	16th	36·4	31·4	33·0	- 4·9	4	0·12	3	- 7	0·1	- 1·6	1	5	15	37·7	- 0·6	42·8	0·0	Wisley.
	a Ventnor	59	40	14th	30	16th	36·7	32·4	34·6	- 6·1	2	0·02	1	- 14	0·2	- 1·5	2	5	22	*	*	*	*	Southampton.
										- 7·1	3	0·09	2	- 13	0·3	- 1·6	4	*	*	*	*	*	*	Ventnor.
LONDON.	p Richmond (Kew Obs.)	18	37	18, 19	29	16th	36·1	31·8	34·0	- 4·9	4	0·09	2	- 8	0·2	- 1·2	2	5	26	36·3	- 1·8	43·0	- 0·6	Kew Obs.
	a Westminster	27	38	18, 19	31	16th	36·8	33·3	35·1	- 4·5	5	0·14	4	- 5	0·0	- 0·7	0	2	30	*	*	*	*	Westminster.
	a Greenwich	155	37	18, 19	30	16th	35·7	32·1	34·0	- 5·9	4	0·13	3	- 8	0·1	- 1·2	1	5	24	*	*	*	*	Greenwich.
	a Hampstead	450	35	14, 18	27	16th	33·4	29·2	31·4	—	4	0·18	5	—	0·2	—	2	7	20	*	*	*	*	Hampstead.
	a Camden Square ..	110	37	14, 18, 19	29	16th	36·0	31·6	33·9	- 4·9	5	0·14	4	- 7	0·2	- 0·9	2	5	25	*	*	*	*	Camden Square.
7. a, ENGLAND, N.W.																								
															0·4	- 1·3	5	*	*	*	*	*	*	Hoylake.
	p Aspatria (Mealsgate)	487	35	18, 19	27	14, 17	33·3	28·7	31·1	- 7·0	4	0·23	7	- 11	0·3	- 1·2	4	7	23	35·9	*	41·4	*	Aspatria.
	p Newton Rigg	559	36	18, 20	19	16th	33·9	28·0	31·1	- 5·8	5	0·18	5	- 13	0·3	- 1·0	4	7	19	36·2	- 1·9	40·4	- 0·2	Newton Rigg.
	p Stonyhurst	375	37	18th	30	16th	35·4	31·7	33·6	- 4·2	6	0·23	6	- 19	0·1	- 1·0	1	5	25	*	*	*	*	Stonyhurst
	p Blackpool	66	39	17th	29	14th	36·7	31·6	34·3	- 4·4	3	0·04	1	- 15	0·6	- 1·0	8	6	23	37·7	*	43·8	*	Blackpool.
	a Southport	37	37	14, 17–20	28	16th	36·0	31·1	33·7	- 5·0	3	0·09	2	- 13	0·6	- 1·0	8	5	19	33·8	- 3·2	39·4	- 1·1	Southport.
	a Liverpool (Bidston) ..	188	37	17-19	28	16th	36·0	31·7	33·9	- 5·4	1	0·04	1	- 11	0·5	—	6	6	23	*	*	*	*	Liverpool.
	a Hawarden Bridge ..	22	39	14, 20	30	16, 17	37·3	31·3	34·4	- 5·5	3	0·06	1	- 11	0·1	- 0·4	1	5	25	34·7	- 3·1	41·7	- 0·9	Manchester (City)
	p Manchester (Whit. Pk.)	125	40	18th	31	20th	37·3	33·4	35·4	- 3·7	2	0·04	1	- 13	0·1	- 0·5	1	*	*	*	*	*	*	" (Whit. Park)
b, NORTH WALES.																								
	p Llandudno	71	41	14th	27	16, 17	38·7	32·0	35·5	- 5·9	2	0·02	1	- 14	0·7	- 1·1	9	*	*	*	*	*	*	Llandudno.
	a Holyhead .. .	15	41	14th	30	17th	39·4	34·9	37·2	- 4·6	1	0·12	3	- 14	0·7	—	9	3	17	*	*	*	*	Holyhead.
	p Bettws-y-Coed ..	148	38	14th	26	17th	35·6	29·7	32·8	- 7·0	5	0·23	6	—	0·4	—	5	*	*	36·1	- 3·2	43·4	- 0·1	Bettws-y-Coed.
															2·8	+ 0·9	35							Aberdovey.

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average	
	Ft.	°F.		°F.		°F.	°F.	°F.			in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
8. *a*, SOUTH WALES														2·6	+ 0·7	33	•	•	•	•	•	•	
a Rhayader	550	—	—	—	—	—	—	—	—	—	—	—	—	•	•	•	•	•	•	•	•	•	Aberystwyth.
a St. Ann's Head	149	43	18th	?30	17th	38·1	?32·4	?35·4	– 7·3	0	0·60	0	– 19	2·7	+ 1·0	33	•	•	•	•	•	•	Rhayader.
p Cardiff	202	40	18th	27	16th	36·4	31·1	33·9	– 5·0	1	0·02	1	– 20	0·8	—	10	7	23	36·0	– 2·3	42·1	– 1·1	St. Ann's Head.
																							Cardiff.
b, ENGLAND, S.W.																							
a Bath	66	38	14, 18	28	16th	36·9	31·1	34·1	– 5·4	1	0·01	0	– 18	•	•	•	•	•	37·0	– 2·9	42·8	– 1·8	Bath.
a Shaftesbury	722	35	14th	25	16th	33·1	28·7	31·0	– 6·6	2	0·06	2	– 13	•	•	•	•	•	34·9	•	41·8	•	Shaftesbury.
a Arlington	613	37	14, 18	25	17th	35·1	28·4	31·9	– 7·3	0	0·00	0	– 28	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	190	43	18th	22	17th	37·9	28·3	33·3	– 9·4	1	0·04	1	– 17	2·9	+ 1·1	35	•	•	40·5	•	45·9	•	Newquay.
a Cullompton	202	39	18th	22	16th	36·4	29·1	32·9	– 6·8	0	0·00	0	– 19	0·9	– 0·6	11	6	19	37·8	•	•	•	Cullompton.
a Portland Bill	19	38	14, 18, 19	32	16, 17	36·9	33·0	35·0	– 7·1	2	0·20	5	– 8	1·3	—	16	•	•	•	•	•	•	Weymouth.
p Plymouth	116	38	14, 17, 18	25	17th	37·0	29·7	33·5	– 8·7	1	0·17	4	– 15	2·6	+ 0·9	31	•	•	37·0	– 4·4	44·4	•	Plymouth.
a Falmouth	167	44	18th	25	17th	38·4	29·1	33·9	– 9·5	1	0·15	4	– 20	2·8	+ 0·9	34	5	19	38·8	•	45·0	•	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	40	14, 18, 19	32	18th	39·4	34·0	36·8	– 4·1	4	0·13	3	– 12	2·1	—	28	•	•	•	•	•	•	Malin Head.
{ *a* Blacksod Point ..	327	41	14th	30	18th	37·1	32·1	34·7	– 8·0	1	0·04	1	– 28	•	•	•	•	•	•	•	•	•	•
{ *p* Markree Castle ..	122	42	14th	19	17, 18	39·4	25·7	32·8	– 6·8	3	0·07	2	– 20	2·4	+ 1·0	31	6	14	37·1	•	43·7	•	Markree Castle.
b, East .. { *p* Armagh	196	39	14th	22	18th	36·9	28·9	33·1	– 6·3	3	0·07	2	– 12	1·6	+ 0·2	21	5	19	37·8	– 2·2	43·4	+0·2	Armagh.
{ *a* Donaghadee	101	41	17th	33	16, 17	39·7	35·4	37·6	– 3·0	3	0·09	2	– 12	•	•	•	•	•	•	•	•	•	•
														•	•	•	4	21	38·3	– 2·2	43·5	– 0·3	Trinity Coll.
10. IRELAND, S.														0·3	– 1·5	4	7	13	•	•	•	•	Phœnix Park.
p Dublin, City	47	40	20th	27	17th	37·9	31·4	34·8	– 7·0	7	0·57	14	+ 1	•	•	•	3	25	•	•	•	•	Dublin City.
a Birr Castle	212	39	14, 19	18	18, 19	35·1	24·4	30·0	– 9·8	1	0·04	1	– 15	2·1	+ 0·5	27	7	13	•	•	•	•	Birr Castle.
a Kilkenny	20	39	14th	17	18th	34·3	25·0	29·8	– 10·1	4	0·09	2	– 16	•	•	•	•	•	•	•	•	•	•
a Waterford	541	39	14th	18	18th	36·3	28·0	32·3	– 9·3	2	0·12	3	– 18	•	•	•	○	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	175	39	18th	22	17th	34·3	27·6	31·1	—	3	0·12	3	—	1·9	—	24	5	15	•	•	•	•	Seskin.
a Cahir	50	39	14th	16	17th	34·0	23·4	28·9	– 12·8	1	0·02	1	—	•	•	•	•	•	•	•	•	•	•
a Foynes	198	39	19th	18	18th	34·4	25·6	30·2	– 11·7	2	0·02	1	– 21	•	•	•	•	•	•	•	•	•	•
a Cahirciveen (Val. Obs.)	174	44	18, 19	26	17, 18	40·3	32·0	36·3	– 8·1	0	0·00	0	– 31	4·2	+ 2·6	53	2	24	•	•	•	•	Valencia Obs.
a Killarney	30	42	18th	19	17th	38·1	27·1	32·8	– 9·8	0	0·00	0	– 34	•	•	•	•	•	•	•	•	•	•
a Roche's Point	32	44	18th	28	17, 18	40·1	32·0	36·2	– 7·3	3	0·07	2	– 22	2·4	—	30	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	43	18th	33	16th	40·6	34·7	37·8	– 7·9	5	0·20	5	– 12	1·8	– 0·1	21	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	42	17th	31	16th	39·9	34·1	37·1	– 5·5	4	0·07	2	– 15	1·2	– 1·0	14	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	41	14, 16	34	16th	39·6	36·6	38·2	– 5·1	4	0·33	8	– 10	0·3	– 1·6	3	○	○	○	○	○	○	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 20th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h	m.
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	10	95	15	48	—	7	14	5	18	14	5	25
Aberdeen	153	105	52	—	—	14, 20	7	80	77	4	0	S.E. by E.	12	20	23	19	14	3	50
Edinburgh	485	39	31	—	—	14	1	36	114	18	0	N.	11	14	16	20	14	4	20
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	14	13	97	53	5	0	NNE.	15	14	9	24	14	9	5
Paisley	188	81	52	—	—	—	—	12	98	58	0	NE.	7	14	14	15	14	13	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	35	84	49	0	SE. by E.	8	20	19	15	14	12	20
South Shields	72	61	12	—	—	14, 18 to 20	16	107	37	8	0	SE. by E.	13	19	9	18	19	7	45
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	14, 17 to 19	11	150	7	0	0	—	12	19	16	16	17	9	10
Shoeburyness	103	90	‡	—	—	—	—	88	80	0	0	E	10	19	9	14	19	9	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	16	150	2	0	NNE	7	17	14	12	14	12	10
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	—	159	9	0	—	5	17	11	12	17	11	0
Brighton	281	53	6	—	—	—	—	4	162	1	1	—	7	17	18	11	17	17	5
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	23	127	0	18	NE. by N.	8	19	17	13	17	18	15
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	3	96	69	0	NE. by N.	7	14	21	12	14	20	50
Southport	80	62	48	—	—	—	—	78	90	0	0	N. by E.	11	14	1	14	14	1	20
Holyhead	60	40	‡	—	—	14, 15, 20	30	77	59	2	0	NE. by N	16	14	9	21	14	11	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	15, 16, 19	19	76	60	22	0	NE.	13	19	16	17	19	20	5
Plymouth	185	88	2	—	—	—	—	37	118	13	0	—	8	15	9	15	15	8	35
Lyme Regis	556	61	‡	—	—	—	—	56	98	14	0	—	10	17	3	14	17	2	35
10. IRELAND, S.																			
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	64	100	4	0	NE. by N.	10	14	21	18	14	21	15
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	48	69	51	0	ESE.	9	19	21	16	19	20	45

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, is given in the Guide to the Tables of the Weekly Weather Report.

THIRD WEEK of 1917—January 14th, 1917, to January 20th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	42	20	76·2	72·4	74·4	− 2·4	0	− 7	53	+ 23	2	− 3	0·14	4	− 30	0·8	0·0	11	1020
Eastern.																			
1. SCOTLAND, EAST ...	40	23	75·2	72·1	73·7	− 2·6	0	− 6	61	+ 24	6	+ 2	0·40	10	− 5	0·3	−1·2	4	1019
2. ENGLAND, N.E.	41	23	75·4	72·8	74·2	− 2·3	0	− 7	55	+ 21	7	+ 4	0·92	24	+ 16	0·2	−0·9	2	1014
3. ENGLAND, EAST ...	40	22	75·4	72·6	74·0	− 2·2	0	− 6	57	+ 19	6	+ 2	0·34	9	0	0·4	−1·0	4	1010
4. MIDLAND COUNTIES ...	38	22	74·5	72·0	73·3	− 3·0	0	− 8	67	+ 29	4	0	0·20	5	− 5	0·2	−1·2	2	1012
5. ENGLAND, S.E.	40	25	75·4	72·9	74·2	− 2·9	0	− 10	55	+ 25	4	+ 1	0·18	5	− 7	0·3	−1·2	4	1009
Western.																			
6. SCOTLAND, WEST ...	43	23	76·3	72·9	74·7	− 2·7	0	− 10	49	+ 26	1	− 4	0·04	1	− 25	1·3	+0·1	16	1018
7. ENGLAND, N.W.	41	19	75·4	72·6	74·1	− 3·1	0	− 8	57	+ 29	3	− 1	0·13	4	− 12	0·7	−0·6	9	1014
8. ENGLAND, S.W.	44	22	75·5	72·1	73·8	− 4·2	0	− 15	60	+ 37	1	− 3	0·07	2	− 16	2·4	+0·8	30	1012
9. IRELAND, NORTH ...	42	18	76·3	71·9	74·2	− 3·7	0	− 14	55	+ 33	3	− 2	0·07	2	− 16	2·0	+0·6	26	1016
10. IRELAND, SOUTH ...	44	16	75·6	70·6	73·2	− 5·6	0	− 21	67	+ 48	2	− 3	0·10	3	− 17	2·3	+0·6	28	1015
11. ENGLISH CHANNEL ...	43	31	77·4	74·7	76·2	− 3·6	0	− 24	30	+ 22	4	− 1	0·20	5	− 9	1·1	−0·9	13	1010

THE SEASON (Winter).—Aggregates, &c., for the Period of 7 Weeks, December 3rd, 1916, to January 20th, 1917.

0. SCOTLAND, NORTH ...	53	20	78·1	73·8	76·1	− 0·6	16	− 36	249	+ 25	38	+ 2	8·78	222	− 4	0·5	−0·2	8	1003
Eastern.																			
1. SCOTLAND, EAST ...	54	11	77·4	72·6	75·1	− 0·9	14	− 32	334	+ 55	36	+ 7	5·80	147	+ 37	0·9	−0·2	13	1004
2. ENGLAND, N.E.	58	13	77·9	73·6	75·8	− 0·8	31	− 24	278	+ 47	35	+10	5·81	147	+ 65	1·0	−0·2	14	1004
3. ENGLAND, EAST ...	58	20	78·3	73·6	76·0	− 0·4	35	− 26	265	+ 4	35	+ 7	4·46	114	+ 37	0·9	−0·5	12	1004
4. MIDLAND COUNTIES ...	58	16	77·6	72·7	75·2	− 1·2	34	− 33	336	+ 68	30	+ 3	4·35	111	+ 21	0·8	−0·3	10	1005
5. ENGLAND, S.E.	56	15	78·6	74·1	76·5	− 1·0	41	− 56	240	+ 46	29	+ 2	5·15	131	+ 35	1·1	−0·4	14	1005
Western.																			
6. SCOTLAND, WEST ...	54	19	78·6	74·2	76·5	− 0·9	44	− 30	224	+ 45	35	+ 2	7·43	189	− 11	1·4	+0·4	20	1005
7. ENGLAND, N.W.	58	19	78·4	73·9	76·2	− 1·2	39	− 37	253	+ 68	33	+ 4	5·14	131	+ 4	1·2	+0·1	16	1005
8. ENGLAND, S.W.	59	20	79·0	74·3	76·7	− 1·7	52	− 74	227	+ 88	29	− 2	5·95	150	− 13	2·0	+0·5	25	1007
9. IRELAND, NORTH ...	55	18	79·1	74·4	76·9	− 1·0	60	− 33	211	+ 50	36	+ 1	5·53	140	− 6	1·7	+0·4	23	1005
10. IRELAND, SOUTH ...	59	16	79·3	74·0	76·7	− 2·1	81	− 68	246	+121	34	+ 1	4·70	120	− 53	1·8	+0·3	24	1008
11. ENGLISH CHANNEL ...	55	30	81·0	77·3	79·2	− 1·1	142	− 60	75	+ 29	38	+ 3	6·81	172	+ 30	1·9	0·0	23	1008

THE YEAR 1917.—Aggregates, &c., for the Period of 3 Weeks, December 31st, 1916, to January 20th, 1917.

0. SCOTLAND, NORTH ...	53	20	77·8	73·7	75·8	− 0·6	6	− 12	116	+ 14	16	+ 1	4·14	105	+ 13	0·5	−0·2	8	1010
Eastern.																			
1. SCOTLAND, EAST ...	54	14	77·3	73·1	75·3	− 0·5	9	− 7	140	+ 17	17	+ 5	2·47	63	+ 19	0·7	−0·5	9	1010
2. ENGLAND, N.E.	58	23	78·1	74·6	76·4	+ 0·1	25	+ 5	105	− 1	16	+ 5	2·80	71	+ 40	0·8	−0·4	11	1009
3. ENGLAND, EAST ...	58	22	78·3	74·5	76·5	+ 0·4	26	+ 4	104	− 14	17	+ 5	1·72	44	+ 12	1·0	−0·5	13	1008
4. MIDLAND COUNTIES ...	58	22	78·0	74·3	76·2	+ 0·1	25	0	115	− 6	14	+ 2	1·85	47	+ 11	0·7	−0·6	8	1010
5. ENGLAND, S.E.	56	25	78·7	75·0	76·9	− 0·1	29	− 5	89	− 4	12	+ 1	1·40	36	− 2	1·0	−0·5	12	1009
Western.																			
6. SCOTLAND, WEST ...	54	22	78·6	74·7	76·7	− 0·4	22	− 4	89	+ 6	13	− 1	2·84	72	− 5	1·4	+0·3	19	1011
7. ENGLAND, N.W.	58	19	78·6	75·0	76·8	− 0·3	27	0	90	+ 4	14	+ 2	2·27	58	+ 8	1·2	0·0	16	1011
8. ENGLAND, S.W.	53	22	78·9	75·4	77·2	− 0·8	32	− 14	86	+ 17	11	− 2	1·64	41	− 19	1·8	+0·2	23	1013
9. IRELAND, NORTH ...	55	18	79·4	75·0	77·3	− 0·4	30	− 8	82	+ 8	15	0	2·09	53	− 6	1·5	+0·2	21	1012
10. IRELAND, SOUTH ...	59	16	79·6	74·9	77·3	− 1·2	45	− 13	96	+ 37	12	− 2	1·37	35	− 33	1·8	+0·2	23	1016
11. ENGLISH CHANNEL ...	53	31	80·3	77·6	79·0	− 0·8	62	− 11	39	+ 12	15	0	1·97	50	− 2	1·4	−0·5	17	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F			inches.	mm.	mm.	hr.	hr	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W., January 25th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 4.

THE FOURTH WEEK OF 1917.

SUNDAY, JANUARY 21ST, TO SATURDAY, JANUARY 27TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

Very cold, wintry weather continued without interruption. The prevailing North-East to East or South-East winds were frequently strong or high, and locally attained the force of a gale. The high sea raised by the gale almost entirely destroyed the little village of Hallsands, near Start Point, and did much damage to the new breakwater at Brixham. Over Great Britain generally there was little or no snow, but during the latter half of the week unusually heavy falls occurred in Ireland, mainly in the south. At Seskin, Carrick-on-Suir, the fall on the 25th yielded 25 mm. of water, and this was followed by 22 mm. on the 26th, and about 10 mm. on the 27th. The drifts were nearly 3 metres deep, and the average depth on level ground was at least 30 cm. Over a large area in Ireland railway traffic was stopped owing to the heavy snow.

Temperature was more remarkable for consistently low maximum readings than for any extremely low minimum values. In the Midland Counties and at several stations in southern England, including Hampstead on the Northern Heights of London, the temperature remained below the freezing-point throughout the week, and over the country generally the maximum was seldom more than 1 a. or 2 a. above it. On the whole Ireland and Scotland were less cold than England, but the lowest readings, about 265 a., occurred at Balmoral, Nairn, and Strathpeffer on the 23rd or 24th. In England the lowest minimum reported was 266·5 a. at Rothamsted on the 27th. For the whole week the deviation from the normal ranged from 1·6 a. below in Scotland North and 2·7 a. in Scotland East to 4·9 a. in the Midland Counties and England South-East, and to 5·6 a. in England South-West. Over a very large portion of England the mean temperature was below 273 a. The temperature of the sea surface water was lower than during the preceding week but considerably above that of the air. The values ranged from 280 a. off the south-west coast of England to 276 a. at Eastbourne. At Burnmouth and Lerwick the value was about equal to the average, but generally it was below it; off the south-west coast of Ireland the deviation was 3a. Bright Sunshine was scanty or very scanty over the Kingdom generally, the daily duration ranging from 1·7 hr. in England South-East and 1·2 hr. in Scotland North to 0·2 hr. and 0·1 hr., respectively in the Midland Counties and England North-East.

Attention may be called to the frequency of the terms very deficient, very light, very scanty in Table III. Very deficient warmth indicates a low temperature reached only once in 12 years on the average and similarly with the other terms.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	7	4·3	2	—	3	2·9	2	1·0	1	1·3	5	8·4	6	5·4	4	2·3
North	0	—	2	—	2	2·1	3	2·9	4	2·5	2	1·5	0	—	2	0·7
West	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—
East	7	6·5	7	—	7	11·4	7	6·1	7	9·3	7	9·7	7	8·2	7	7·1
Calm	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Nought	Very light	Very light	Moderate	Moderate
	Sunshine ...	Abundant	Scanty	Very scanty	Very scanty	Very scanty	Moderate	Scanty	Moderate	Scanty	Scanty	Very scanty	Very scanty

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 8 weeks from Dec. 3rd, 1916.	Warmth ...	2, 2, 4	1, 1, 6	1, 1, 6	1, 3, 4	1, 2, 5	1, 2, 5	2, 1, 5	1, 2, 5	1, 1, 6	2, 2 4	1, 1, 6	1, 1, 6
	Rainfall ...	2, 2, 4	4, 3, 1	4, 2, 2	3, 4, 1	2, 3, 3	3, 2, 3	3, 1, 4	4, 1, 3	3, 1, 4	2, 3, 3	0, 5, 3	3, 3, 2
	Sunshine ...	1, 6, 1	1, 4, 3	2, 2, 4	0, 2, 6	1, 2, 5	0, 4, 4	4, 3, 1	3, 4, 1	3, 4, 1	4, 3, 1	3, 4, 1	1, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10212—19.) Wt. 79a—736. 450. 2/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick..	54	41	22nd	31	27th	39·7	36·0	37·9	- 1·2	2	0·02	1	—	*	*	*	*	*	*	*	*	*	Lerwick.
p Deerness	160	41	22nd	35	27th	39·3	37·0	38·2	- 0·8	0	0·00	0	- 20	0·1	- 0·9	1	*	*	*	*	*	*	Deerness.
a Stornoway	51	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*	*	*	*	*	*	Stornoway
a Castlebay, Barra Isd.	37	40	23rd	26	27th	38·9	34·4	36·7	- 5·8	1	0·04	1	- 17	0·1	- 0·9	1	*	*	*	*	*	*	Castlebay.
b, Mainland. *a* Wick	81	42	27th	35	25th	40·1	36·7	38·5	+ 0·6	3	0·03	1	- 13	*	*	*	*	*	*	*	*	*	
p Strathpeffer	200	37	26th	18	24th	35·4	25·7	30·7	- 6·6	0	0·00	0	- 18	*	*	*	*	*	*	*	*	*	Strathpeffer.
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*	*	*	*	*	*	
p Fort Augustus..	68	41	22nd	24	24th	38·6	30·6	34·8	- 2·9	1	0·01	0·3	- 31	2·3	+ 1·7	30	*	*	*	*	*	*	Fort Augustus.
p Fort William	171	38	21, 24, 27	27	23rd	37·7	31·6	34·8	- 4·1	1	0·02	1	- 54	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
p Gordon Castle	101	40	22nd	24	23rd	37·7	30·0	34·0	- 4·1	0	0·00	0	- 12	0·5	- 1·3	7	4	25	33·9	-1·0	37·5	-0·1	Crathes.
a Nairn	82	38	21, 26	17	24th	35·7	25·0	30·6	- 6·6	0	0·00	0	- 12	1·3	—	17	*	*	*	*	*	*	Gordon Castle.
a Aberdeen	46	42	22nd	34	25th	38·7	35·6	37·2	- 0·7	1	0·04	1	- 11	2·7	+ 1·4	36	*	*	*	*	*	*	Nairn.
a Balmoral	930	35	22nd	17	23rd	32·9	27·0	30·1	- 4·4	2	0·06	2	- 16	0·4	- 1·2	5	0	32	*	*	38·7	-0·6	Aberdeen.
a Dundee	244	38	22nd	31	25th	36·3	32·1	34·3	—	5	0·08	2	—	*	*	*	7	15	*	*	*	*	Balmoral.
p Crieff	432	37	22nd	28	25, 27	34·9	29·3	32·2	- 4·7	4	0·14	4	— 19	0·2	- 1·5	3	7	27	34·0	*	*	*	Dundee.
														*	*	*	*	*	*	*	*	*	
a Leith	18	38	22, 23	30	22nd	36·9	33·1	35·1	- 4·0	1	0·02	0·4	- 9	*	*	*	4	28	*	*	*	*	
a West Linton	769	33	22-24	25	23rd	32·3	28·3	30·4	- 4·4	1	0·01	0	—	0·9	—	11	7	16	*	*	*	*	West Linton.
p Marchmont	498	35	22-24	29	27th	34·1	30·1	32·2	- 4·2	2	0·20	5	- 12	0·0	- 1·4	0	5	30	*	*	*	*	Marchmont.
a Edinburgh	441	37	24th	31	21, 24-27	35·3	31·4	33·4	- 4·6	1	0·01	0	- 10	0·1	- 1·5	1	7	28	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	38	23rd	—	—	35·3	—	—	—	0	0·00	0	- 29	*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	37	24th	32	23, 25, 26	35·9	32·6	34·3	- 4·3	0	0·00	0	- 19	0·4	- 0·3	5	5	27	*	*	*	*	Glasgow.
p Rothesay	170	37	22, 24	31	26th	36·1	32·0	34·1	- 5·5	1	0·02	1	- 25	1·3	—	16	5	27	35·4	*	41·0	-0·9	Rothesay.
a Kilmarnock	90	38	24th	26	23rd	36·4	29·7	33·2	- 6·8	1	0·05	1	- 19	2·8	—	35	*	*	34·6	*	40·5	*	Kilmarnock.
a Colmonell	170	39	23rd	24	23, 27	36·0	26·9	31·6	- 8·8	0	0·00	0	- 25	*	*	*	7	21	*	*	*	*	Colmonell.
p Cally, Gatehouse ..	120	37	22, 24, 25	27	26th	36·4	29·9	32·9	- 5·4	0	0·00	0	- 25	*	*	*	*	*	*	*	*	*	
a Dumfries	160	37	23, 24	27	25, 26	35·3	29·1	32·3	- 5·7	1	0·02	1	- 16	1·3	—	16	7	20	33·8	*	38·6	*	Dumfries.
Eskdalemuir	704	34	24th	23	23rd	32·1	27·7	30·0	—	1	0·01	0·2	- 26	1·1	—	14	7	19	*	*	*	*	Eskdalemuir.
b, I. OF MAN. *p* Douglas	277	37	23, 24	29	26th	35·9	31·7	33·9	- 7·0	0	0·00	0	- 19	0·9	- 0·7	11	4	28	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	39	22nd	32	24th	36·9	33·0	35·0	- 3·1	5	0·06	2	- 11	0·1	- 1·6	1	7	26	34·0	-1·7	38·4	-0·7	Cockle Park.
a Tynemouth	71	38	22, 24	33	27th	36·9	34·1	35·6	- 3·0	0	0·60	0	- 9	*	*	*	*	*	*	*	*	*	Tynemouth
p Durham	336	35	22-24	29	26th	34·3	30·3	32·4	- 4·7	4	0·09	2	- 7	0·0	- 1·5	0	7	23	*	*	*	*	Durham.
a North .. *p* Rounton	249	35	22-24	28	23rd	34·3	29·6	32·0	- 5·0	1	0·02	0·4	- 9	*	*	*	7	18	34·7	*	*	*	Rounton.
a West Witton	605	33	22-24	26	26th	31·7	28·3	30·1	—	1	0·03	1	—	*	*	*	7	25	35·0	*	39·0	*	West Witton.
p Scarborough†	100	—	—	32	26th	—	33·3	—	—	4	0·12	3	- 9	0·0	- 1·4	0	*	*	*	*	43·0	*	Scarborough.
p York	56	36	22, 24	27	23rd	34·9	30·6	32·8	- 5·1	3	0·07	2	- 8	0·0	- 1·0	0	*	*	35·9	-1·3	40·7	-0·2	York.
b, South .. *a* Spurn Head	26	36	24th	30	26th	34·9	31·0	33·0	- 5·4	1	0·01	0·3	- 8	0·0	—	0	*	*	*	*	*	*	Spurn Head.
a Lincoln	58	35	22, 23	28	23, 26	34·0	29·4	31·8	- 5·3	4	0·11	3	- 7	*	*	*	*	*	32·6	-3·9	39·8	-0·7	Lincoln.
a Fulbeck	180	33	23rd	26	26th	31·7	28·3	30·1	- 7·0	3	0·04	1	- 9	0·1	- 1·5	1	7	24	34·9	- 2·0	41·2	-1·1	Rauceby.
														0·3	- 1·5	4	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	36	22, 24	25	26th	33·9	28·1	31·1	- 6·8	0	0·00	0	- 9	0·3	- 1·5	4	*	*	*	*	*	*	Cromer.
p Little Massingham ..	280	34	22nd	24	23rd	33·0	26·3	29·8	- 7·1	1	0·02	1	- 11	0·4	- 1·1	5	7	22	*	*	*	*	Lit. Massingham.
a Yarmouth	13	38	21st	27	25th	34·7	29·4	32·2	- 5·6	0	0·00	0	- 10	0·6	—	7	?	?	35·4	-0·6	42·0	+0·2	Yarmouth.
a Norwich	93	36	22nd	27	25th	33·0	29·1	31·1	- 6·3	2	0·02	1	- 11	0·3	—	4	7	23	34·5	*	*	*	Norwich.
a Geldeston	37	36	22nd	25	25, 26	33·7	27·4	30·7	- 7·3	1	0·01	0·3	- 9	0·2	- 1·6	2	*	*	*	*	*	*	Geldeston.
p Cambridge	41	34	22, 23	26	26th	32·7	28·7	30·8	- 6·8	2	0·04	1	- 8	0·3	- 1·4	4	7	19	35·4	-1·3	41·2	-0·6	Cambridge.
a Clacton-on-Sea ..	54	36	22nd	28	26, 27	33·6	30·3	32·0	- 5·9	0	0·00	0	- 8	0·5	- 1·4	6	5	27	35·4	-2·6	42·0	-1·5	Clacton.
a Rothamsted	424	32	22nd	20	27th	30·3	25·9	28·3	- 8·9	2	0·03	1	- 11	0·3	- 1·4	4	7	22	34·6	*	*	*	Rothamsted.
p Tottenham	51	35	25, 27	28	25, 26	33·4	29·6	31·6	- 7·3	1	0·02	1	—	0·1	—	1	6	27	*	*	41·9	-1·1	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	33	24th	26	26th	31·4	28·4	30·0	- 6·7	2	0·04	1	- 13	0·0	- 1·6	0	7	22	35·5	-1·7	39·0	-0·6	Harrogate.
p Sheffield	429	34	24th	26	26th	32·4	28·6	30·6	- 7·9	2	0·04	1	- 15	0·0	- 1·3	0	7	26	34·8	-1·5	40·6	-0·5	Sheffield.
p Buxton	987	29	21-25	22	26th	28·4	25·3	26·9	- 8·4	1	0·02	1	- 25	0·0	—	0	7	22	34·2	-2·0	39·4	-2·3	Buxton.
b, East .. *a* Bawtry	65	33	23, 24, 27	22	23rd	32·1	27·4	29·8	- 7·6	3	0·05	1	- 8	0·2	- 1·0	2	7	17	35·2	*	39·6	*	Worksop.
a Nottingham	82	33	22-24, 27	26	26, 27	32·1	28·9	30·6	- 7·0	3	0·03	1	- 9	0·0	- 1·1	0	7	25	33·4	-2·0	37·8	-1·5	Nottingham.
p Birmingham, Edgbsn.	535	34	25th	24	26, 27	31·9	26·7	29·4	- 8·4	0	0·00	0	- 12	0·0	- 1·1	0	7	23	35·9	-2·6	42·6	-1·2	Birmingham.
a Raunds	203	33	22nd	24	26, 27	31·0	26·4	28·8	- 8·7	0	0·00	0	- 9	*	*	*	7	20	37·3	*	43·1	*	Raunds.
p Oxford	208	33	27th	27	26, 27	31·9	28·6	30·3	- 8·1	1	0·01	0	- 10	0·8	- 0·9	10	7	23	*	*	*	*	Oxford
c, West .. *a* Cheadle (N. Staffs.) ..	346	32	23-25	23	26th	30·9	26·4	28·7	- 7·8	1	0·01	0·2	- 15	*	*	*	7	21	*	*	*	*	Cheadle.
p Shrewsbury	191	—	—	25	26th	—	28·1	—	—	0	0·00	0	- 10	*	*	*	7	18	*	*	*	*	Shrewsbury.
a Hereford§	291	35	27th	25	27th	31·6	27·7	29·7	- 8·4	2	0·03	1	- 11	0·6	—	7	7	22	33·9	*	39·4	*	Malvern.§
a Clifton	229	33	21-23	26	27th	32·1	28·3	30·3	- 9·0	0	0·00	0	- 14	0·6	—	7	7	24	*	*	*	*	Clifton.
5. ENGLAND, S.E.																							
a Marlborough	424	32	21, 24, 27	24	27th	31·3	27·0	29·2	- 8·2	1	0·02	0·4	- 14	2·5	+ 0·5	29	6	21	36·1	-1·9	43·2	-0·2	Worthing.
a Margate	53	38	22nd	26	26th	33·7	28·9	31·4	- 7·8	0	0·00	0	- 9	0·7	- 0·7	8	7	21	35·9	*	43·2	*	Marlborough.
a Wisley, Surrey ..	150	35	23rd	26	27th	32·7	29·3	31·1	- 7·1	0	0·00	0	- 10	1·4	- 0·3	17	7	23	35·5	-2·7	41·3	-0·2	Margate.
p Salisbury (Wilton) ..	180	35	21st	23	24, 25, 27	32·1	25·6	29·0	- 8·8	0	0·00	0	- 17	1·8	+ 0·1	21	7	16	36·0	-1·3	41·8	-0·4	Wisley.
a Tunbridge Wells ..	354	34	23rd	24	26, 27	31·7	27·0	29·4	- 8·2	0	0·00	0	- 14	*	*	*	7	20	35·2	*	*	*	Salisbury.
						31·7	27·0	29·4	- 8·2	0	0·00	0	- 14	2·1	+ 0·4	24	7	21	36·5	-0·1	42·0	*	Tunbridge Wells.
a Dungeness	21	37	22nd	27	26, 27	34·0	30·0	32·1	- 7·2	0	0·00	0	- 11	3·1	—	36	7	21	*	*	*	*	Dover.
p St. Leonards	178	35	22, 23	26	24, 26, 27	32·7	28·3	30·6	- 9·0	1	0·02	1	- 12	3·1	+ 1·1	36	7	23	35·0	*	42·1	*	St. Leonards.
p Southampton	64	36	23rd	25	27th	33·0	27·6	30·4	- 9·7	1	0·02	0·4	- 15	1·3	- 0·4	15	7	20	*	*	*	*	Southampton.
a Ventnor	59	37	22nd	28	25th	34·9	30·7	32·9	- 8·8	2	0·05	1	- 14	0·7	- 1·2	8	*	*	*	*	*	*	Ventnor.
LONDON. *p* Richmond (Kew Obs.)	18	35	22, 23	27	27th	33·6	28·9	31·3	- 7·6	1	0·03	1	- 9	0·5	- 0·9	6	7	24	34·9	-2·2	42·1	-0·9	Kew Obs.
a Westminster	27	36	22nd	28	27th	33·7	30·4	32·1	- 7·5	1	0·01	0·2	- 9	0·4	- 0·3	5	3	27	*	*	*	*	Westminster.
a Greenwich	155	34	22, 23, 27	27	26, 27	32·4	28·9	30·7	- 9·2	2	0·06	2	- 9	0·7	- 0·6	8	7	23	*	*	*	*	Greenwich.
a Hampstead	450	32	22, 23	22	26th	30·4	25·5	28·1	—	0	0·00	0	—	0·5	—	6	7	16	*	*	*	*	Hampstead.
a Camden Square ..	110	35	27th	27	26, 27	33·0	29·0	31·1	- 7·7	3	0·07	2	- 9	0·4	- 0·7	5	6	25	*	*	*	*	Camden Square.
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	34	23, 24	25	23rd	32·6	27·0	29·9	- 8·2	0	0·00	0	- 18	0·0	- 1·7	0	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	34	23, 24	22	23rd	32·6	27·1	30·0	- 6·9	1	0·01	0·2	- 18	2·1	+ 0·6	26	7	21	34·8	*	40·7	*	Aspatria.
p Stonyhurst	375	35	24th	27	25, 26	33·0	29·7	31·4	- 6·4	0	0·00	0	- 25	0·7	- 0·6	9	7	14	35·5	-1·9	39·7	-0·5	Newton Rigg.
p Blackpool	66	36	23, 24	28	26th	34·3	30·9	32·7	- 6·0	0	0·00	0	- 16	0·6	- 0·5	7	7	25	*	*	*	*	Stonyhurst.
a Southport	37	35	23, 24	27	26th	33·4	29·7	31·6	- 7·1	0	0·00	0	- 16	1·5	- 0·1	19	6	21	37·0	*	43·0	*	Blackpool.
a Liverpool (Bidston) ..	188	34	22-24	26	26th	33·0	29·3	31·2	- 8·1	0	0·00	0	- 15	0·9	- 0·7	14	6	22	33·3	-2·6	38·3	-1·6	Southport.
a Hawarden Bridge ..	22	36	23rd	27	23, 26	33·6	29·3	31·5	- 8·4	0	0·00	0	- 12	0·1	—	1	6	25	*	*	*	*	Liverpool.
p Manchester (Whit. Pk.)	125	35	22-24	27	25, 26	34·0	30·3	32·2	- 6·9	0	0·00	0	- 14	0·3	- 0·2	4	6	25	33·6	-3·2	40·8	-1·3	Manchester (City)
														0·5	- 0·1	6	*	*	*	*	*	*	" (Whit. Park)
b, NORTH WALES.																							
p Llandudno	71	35	22-25	26	25th	34·4	29·3	32·0	- 9·4	0	0·00	0	- 15	1·2	- 0·6	14	*	*	*	*	*	*	Llandudno.
a Holyhead	15	36	23, 24	29	25, 26	34·4	31·0	32·8	- 9·0	0	0·00	0	- 17	2·3	—	28	5	27	*	*	*	*	Holyhead.
p Bettws-y-Coed ..	148	34	21, 23, 24	26	25th	32·4	28·3	30·4	- 9·4	0	0·00	0	—	0·6	—	7	*	*	34·7	-3·6	42·3	-0·8	Bettws-y-Coed.
														1·6	- 0·3	19	*	*	*	*	*	*	Aberdovey.

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	Bright Sunshine. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
8. *a*, SOUTH WALES.														2·4	—	29	*	*	*	*	*	*	
a Rhayader	550	32	21st	23	27th	29·9	26·7	28·4	—	0	0·00	0	—	1·5	—	18	7	22	*	*	*	*	Aberystwyth.
a St. Ann's Head ..	149	35	23, 27	28	24, 25	34·3	30·0	32·2	−10·5	0	0·00	0	− 19	0·5	− 1·2	6	*	*	*	*	*	*	Rhayader.
p Cardiff	202	33	27th	26	27th	31·4	27·7	29·6	− 9·3	0	0·00	0	− 21	0·6	—	7	7	23	35·0	−2·9	40·8	−1·9	St. Ann's Head.
																							Cardiff.
b, ENGLAND, S.W.																							
a Bath	66	34	21–23	26	27th	33·1	28·4	30·8	− 8·7	0	0·00	0	− 18	*	*	*	*	*	36·0	−3·2	41·8	−2·2	Bath.
a Shaftesbury	722	31	27th	22	27th	29·0	24·9	27·0	−10·6	0	0·00	0	− 15	*	*	*	*	*	33·5	*	39·8	*	Shaftesbury.
a Arlington	613	33	22nd	24	24, 25, 27	30·7	26·6	28·7	−10·5	0	0·00	0	− 23	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	190	37	23, 25, 26	28	24th	36·0	31·4	33·8	− 8·9	0	0·00	0	− 18	0·1	− 1·7	1	*	*	38·9	*	44·4	*	Newquay.
a Cullompton	202	34	27th	25	25th	32·6	28·9	30·8	− 8·9	1	0·01	0·2	− 19	0·2	− 1·3	2	7	19	36·8	*	*	*	Cullompton.
a Portland Bill	19	38	27th	29	25th	35·9	31·9	34·0	− 8·1	2	0·12	3	− 10	0·0	—	0	*	*	*	*	*	*	Weymouth.
p Plymouth	116	37	25–27	29	24th	35·7	32·1	34·0	− 8·2	0	0·00	0	− 19	0·1	− 1·6	1	*	*	36·0	−4·6	43·0	*	Plymouth.
a Falmouth	167	39	25th	32	21st	37·9	33·3	35·7	− 7·7	2	0·07	2	− 22	0·0	− 1·9	0	0	31	38·1	*	43·3	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	38	23rd	30	26, 27	35·6	32·0	33·9	− 7·0	0	0·00	0	− 15	1·0	—	13	*	*	*	*	*	*	Malin Head.
{ *a* Blacksod Point ..	327	38	23rd	30	24, 27	34·6	32·1	33·4	− 9·3	1	0·02	0·4	− 29	*	*	*	*	*	*	*	*	*	*
{ *p* Markree Castle ..	122	40	23rd	28	26th	36·1	30·3	33·3	− 6·3	2	0·30	8	− 14	0·4	− 1·0	5	7	29	35·8	*	42·4	*	Markree Castle.
b, East .. { *p* Armagh	196	38	23rd	32	23, 25–27	35·6	32·4	34·1	− 5·3	1	0·07	2	− 12	0·9	− 0·5	11	2	30	37·0	−2·7	42·2	−0·9	Armagh.
{ *a* Donaghadee	101	41	23rd	32	26, 27	37·1	34·1	35·7	− 4·9	0	0·00	0·1	− 14	*	*	*	*	*	*	*	*	*	*
														*	*	*	1	30	37·5	−2·2	42·4	−1·0	Trinity Coll.
														0·7	− 1·1	8	3	25	*	*	*	*	Phœnix Park.
10. IRELAND, S.																							
p Dublin, City	47	39	21, 23	32	27th	36·6	33·9	35·3	− 6·5	0	0·00	0	− 13	*	*	*	2	30	*	*	*	*	Dublin City.
a Birr Castle	212	37	23rd	29	24th	33·7	31·1	32·5	− 7·3	2	0·12	3	− 13	0·9	− 0·7	11	6	22	*	*	*	*	Birr Castle.
a Kilkenny	20	38	23rd	29	24, 27	34·6	31·3	33·0	− 6·9	3	0·60	15	− 3	*	*	*	*	*	*	*	*	*	*
a Waterford	541	38	23rd	30	27th	36·1	32·6	34·4	− 7·2	4	1·54	39	+ 18	*	*	*	○	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	175	36	23rd	27	27th	33·4	29·6	31·6	—	4	2·26	57	+	0·8	—	10	3	25	*	*	*	*	Seskin.
a Cahir	50	37	24, 25	28	24th	34·6	30·9	32·8	− 8·9	2	0·42	11	—	*	*	*	*	*	*	*	*	*	*
a Foynes	199	39	25th	27	24th	36·1	31·4	33·8	− 8·1	2	0·13	3	− 19	*	*	*	*	*	*	*	*	*	*
a Cahirciveen (Val. Obs.)	174	46	25th	28	22nd	41·4	33·7	37·7	− 6·7	5	1·28	33	+ 2	0·6	− 1·0	7	1	25	*	*	*	*	Valencia Obs.
a Killarney	30	42	25, 26	24	22nd	38·6	31·3	35·1	− 7·5	4	0·83	21	− 13	*	*	*	*	*	*	*	*	*	*
a Roche's Point	32	42	23, 25, 26	34	22–25, 27	39·7	34·7	37·3	− 6·2	5	1·36	35	+ 11	0·2	—	2	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	43	23rd	34	26th	41·1	35·9	38·6	− 7·1	6	1·00	25	+ 8	0·6	− 1·3	7	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	40	22, 23	26	25th	35·6	29·9	32·9	− 9·7	1	0·02	0·4	− 17	1·1	− 1·1	12	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	40	22, 23	27	25th	36·3	31·9	34·2	− 9·1	1	0·04	1	− 17	0·5	− 1·4	6	○	○	○	○	○	○	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 27th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s. day. hr.	m/s.	d. h. m.
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	34	119	6	9	—	8 26 12	15	26 10 10
Aberdeen	153	105	52	—	—	21	5	104	58	1	0	SE.	12 21 6	17	21 5 35
Edinburgh	485	39	31	—	—	—	—	—	—	—	—	—	— — —	—	— — —
6 SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	24, 26	3	113	49	3	0	E.	12 26 18	18	26 18 30
Paisley	188	81	52	—	—	—	—	68	86	11	5	SE.	19 25 17	18	26 4 25
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	71	84	13	0	SE. by S.	9 26 11	15	26 11 15
South Shields	72	61	12	—	—	25, 26	23	127	18	0	0	SE. by S.	13 26 10	19	25 22 25
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	— — —	—	— — —
3. ENGLAND, E.															
Gorleston	52	42	‡	—	—	22 to 24, 27	29	113	5	0	21	—	13 24 10	18	24 9 55
Shoeburyness	103	90	‡	—	—	24, 26, 27	48	99	16	5	0	ESE.	17 27 10	21	27 10 5
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	26, 27	6	86	20	5	51	E. by N.	12 27 11	18	26 14 40
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	27	17	100	51	0	0	—	13 27 10	21	27 8 40
Warlingham	642	33	‡	—	—	27	1	59	100	5	3	—	11 27 11	22	27 11 0
Brighton	261	53	6	—	—	27	2	86	80	0	0	—	12 27 9	23	27 11 50
Richmond (Kew Obs.)..	82	65	22	—	—	26, 27	13	97	58	0	0	E. by N.	15 27 12	23	27 11 50
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	61	93	12	0	ESE.	11 26 1	19	25 17 40
Southport	80	62	48	—	—	24 to 27	41	78	49	0	0	E. by S.	13 27 11	22	27 12 40
Holyhead	60	40	‡	27	3	23 to 27	89	60	16	0	0	E	19 27 18	27	27 20 30
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	25 to 27	65	23 to 26	40	18	45	0	0	E.	29 27 12	37	27 12 35
Plymouth	185	88	2	27	5	25 to 27	62	37	64	0	0	—	18 27 16	33	27 16 0
Lyme Regis	556	61	‡	—	—	26, 27	31	66	43	28	0	—	15 27 12	23	27 11 35
10. IRELAND, S.															
Cahirciveen (Val. Obs.)	98	41	‡	—	—	24 to 26	25	77	29	37	0	ESE	20 25 16	31	25 16 0
Quilty	100	40	‡	25, 26	11	23 to 27	71	33	48	1	4	—	21 25 14	27	25 15 20
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	— — —	—	— — —
11. ENGLISH CHANNEL.															
Scilly..	150	32	‡	25, 27	25	24 to 26	65	18	33	27	0	E. by S.	21 27 16	31	27 18 20

†, More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, is given in the Guide to the Tables of the Weekly Weather Report.

FOURTH WEEK of 1917—January 21st, 1917, to January 27th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	42	18	76·5	73·1	74·8	− 1·7	0	− 8	47	+ 12	1	− 4	0·02	1	− 39	1·2	+0·3	16	1028
Eastern.																			
1. SCOTLAND, EAST ...	42	17	74·9	71·8	73·4	− 2·7	0	− 9	65	+ 25	1	− 3	0·06	2	− 12	0·7	−1·0	8	1027
2. ENGLAND, N.E.	39	26	74·5	72·3	73·4	− 3·2	0	− 10	64	+ 29	3	0	0·06	2	− 7	0·1	−1·6	1	1025
3. ENGLAND, EAST ...	38	20	73·6	70·9	72·3	− 4·2	0	− 9	78	+ 41	1	− 3	0·02	1	− 8	0·3	−1·8	4	1022
4. MIDLAND COUNTIES ...	35	22	72·8	70·6	71·7	− 4·9	0	− 11	86	+ 48	2	− 2	0·02	1	− 11	0·2	−1·4	3	1022
5. ENGLAND, S.E.	38	23	73·6	70·9	72·3	− 4·9	0	− 11	79	+ 51	1	− 3	0·01	0	− 12	1·7	−0·2	20	1020
Western.																			
6. SCOTLAND, WEST ...	39	24	75·2	71·9	73·7	− 3·5	0	− 12	62	+ 35	1	− 4	0·01	0	− 26	0·7	−0·6	8	1026
7. ENGLAND, N.W.	36	22	73·8	71·4	72·7	− 4·6	0	− 10	74	+ 46	0	− 4	0·00	0	− 18	1·0	−0·6	12	1021
8. ENGLAND, S.W.	39	22	73·6	71·4	72·5	− 5·6	0	− 15	76	+ 55	1	− 3	0·02	1	− 20	0·7	−1·1	8	1017
9. IRELAND, NORTH ...	41	28	74·9	73·0	74·0	− 4·1	0	− 13	57	+ 34	1	− 4	0·09	2	− 18	0·7	−0·9	8	1019
10. IRELAND, SOUTH ...	46	24	75·7	73·2	74·5	− 4·3	0	− 20	51	+ 34	3	− 2	0·70	18	− 2	0·6	−1·2	7	1016
11. ENGLISH CHANNEL ...	43	26	76·2	73·3	74·8	− 5·0	0	− 24	48	+ 40	3	− 2	0·35	9	− 7	0·7	−1·5	8	1015

THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, December 3rd, 1916, to January 27th, 1917.

0. SCOTLAND, NORTH ...	53	18	77·9	73·8	75·9	− 0·8	16	− 44	296	+ 37	39	− 2	8·80	223	− 43	0·6	−0·1	9	1006
Eastern.																			
1. SCOTLAND, EAST ...	54	11	77·1	72·5	74·9	− 1·1	14	− 41	399	+ 80	37	+ 4	5·86	149	+ 25	0·9	−0·3	13	1007
2. ENGLAND, N.E.	58	13	77·5	73·4	75·5	− 1·1	31	− 34	342	+ 76	38	+10	5·87	149	+ 58	0·9	−0·4	12	1007
3. ENGLAND, EAST ...	58	20	77·7	73·3	75·6	− 0·8	35	− 35	343	+ 45	36	+ 4	4·48	115	+ 29	0·9	−0·6	11	1007
4. MIDLAND COUNTIES ...	58	16	77·0	72·4	74·8	− 1·6	34	− 44	422	+116	32	+ 1	4·37	112	+ 10	0·7	−0·5	9	1007
5. ENGLAND, S.E.	56	15	78·0	73·7	75·9	− 1·6	41	− 67	319	+ 97	30	− 1	5·16	131	+ 23	1·2	−0·3	15	1007
Western.																			
6. SCOTLAND, WEST ...	54	19	78·2	73·9	76·1	− 1·3	44	− 42	286	+ 80	36	− 2	7·44	189	− 37	1·3	+0·3	18	1008
7. ENGLAND, N.W.	58	19	77·8	73·6	75·8	− 1·6	39	− 47	327	+114	33	0	5·14	131	− 14	1·2	+0·1	15	1007
8. ENGLAND, S.W.	59	20	78·3	73·9	76·2	− 2·2	52	− 89	303	+143	30	− 5	5·97	151	− 33	1·8	+0·3	23	1008
9. IRELAND, NORTH ...	55	18	78·6	74·3	76·5	− 1·4	60	− 46	268	+ 84	37	− 3	5·62	142	− 24	1·6	+0·3	21	1007
10. IRELAND, SOUTH ...	59	16	78·9	73·9	76·5	− 2·3	81	− 88	297	+155	37	− 1	5·40	138	− 55	1·7	+0·1	21	1009
11. ENGLISH CHANNEL ...	55	26	80·4	76·8	78·7	− 1·6	142	− 84	123	+ 69	41	+ 1	7·16	181	+ 23	1·2	−0·8	14	1009

THE YEAR 1917.—Aggregates, &c., for the Period of 4 Weeks, December 31st, 1916, to January 27th, 1917.

0. SCOTLAND, NORTH ...	53	18	77·5	73·5	75·6	− 0·9	6	− 20	163	+ 26	17	− 3	4·16	106	− 26	0·7	−0·1	10	1015
Eastern.																			
1. SCOTLAND, EAST ...	54	14	76·7	72·8	74·8	− 1·1	9	− 16	205	+ 42	18	+ 2	2·53	65	+ 7	0·7	−0·6	9	1015
2. ENGLAND, N.E.	58	23	77·2	74·0	75·7	− 0·7	25	− 5	169	+ 28	19	+ 5	2·86	73	+ 33	0·6	−0·7	8	1013
3. ENGLAND, EAST ...	58	20	77·2	73·6	75·4	− 0·8	26	− 5	182	+ 27	18	+ 2	1·74	45	+ 4	0·9	−0·7	11	1012
4. MIDLAND COUNTIES ...	58	22	76·7	73·4	75·1	− 1·1	25	− 11	201	+ 42	16	0	1·87	48	0	0·6	−0·8	7	1013
5. ENGLAND, S.E.	56	23	77·4	74·0	75·8	− 1·3	29	− 16	168	+ 47	13	− 2	1·41	36	− 14	1·2	−0·4	14	1012
Western.																			
6. SCOTLAND, WEST ...	54	22	77·8	74·0	76·0	− 1·1	22	− 16	151	+ 41	14	− 5	2·85	72	− 31	1·2	+0·1	16	1015
7. ENGLAND, N.W.	58	19	77·4	74·1	75·8	− 1·3	27	− 10	164	+ 50	14	− 2	2·27	58	− 10	1·2	−0·1	15	1014
8. ENGLAND, S.W.	53	22	77·6	74·4	76·0	− 2·0	32	− 29	162	+ 72	12	− 5	1·66	42	− 39	1·5	−0·1	19	1014
9. IRELAND, NORTH ...	55	18	78·3	74·5	76·5	− 1·3	30	− 21	139	+ 42	16	− 4	2·18	55	− 24	1·3	−0·1	17	1014
10. IRELAND, SOUTH ...	59	16	78·6	74·5	76·6	− 2·0	43	− 33	147	+ 71	15	− 4	2·07	53	− 35	1·5	−0·1	19	1016
11. ENGLISH CHANNEL ...	53	26	79·3	76·5	78·0	− 1·8	62	− 35	87	+ 52	18	− 2	2·32	59	− 9	1·7	−0·2	22	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W., February 1st, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 17

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C., and 28, ABINGDON STREET, LONDON, S.W.; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 5.

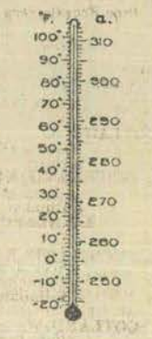
THE FIFTH WEEK OF 1917.

SUNDAY, JANUARY 28TH, TO SATURDAY, FEBRUARY 3RD.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

Conditions of an Easterly type continued, so that the main features of the weather were closely similar to those of the preceding week, notably low temperature and light rainfall. The fall of sea temperature continued. The drop was 2 a. at Plymouth, but in the north very slight. The lowest mean sea temperature was found off Eastbourne, 274·7 a., 2·5 a. below normal for the time of the year. Air temperatures showed some further decrease from those of the week before. The departures from the mean ranged from 2·6 a. in Scotland East (273·3 a.) to —6·4 a. in England South-East (271·2 a.) and South-West (271·8 a.). In most parts of England the mean temperature for the week was below the freezing point. At no station was the frost quite unbroken throughout the week, though at several in the east and south-east of England the highest maximum reading was not above 274 a. At very few stations did temperature exceed 278 a. at any time. As in the preceding week the low mean temperature was associated with few very low absolute readings and at not many stations did the thermometer fall below 266 a. The lowest reading recorded was 261 a. at Kilkenny on the 3rd. The low maximum temperatures prevented the snow which had fallen during the preceding week from thawing to any considerable extent, and it was reported from Seskin, Carrick-on-Suir, that the bye-roads in that neighbourhood were still impassable, though traffic was carried on, with difficulty, on the main roads. Little fresh snow fell during the week and precipitation in any form was below normal everywhere. In several districts the total fall did not exceed 2 mm. Sunshine was abundant on the Welsh coasts, but scanty over most parts of the Kingdom. Lunar halos were seen from widely scattered stations on Friday evening, and solar halos in the south of England the next morning.



II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	2	2·5	4	2·0	4	2·3	3	1·0	2	2·3	5	5·3	4	2·8	2	2·3
North	5	2·9	3	1·5	2	1·7	3	3·0	4	2·8	1	3·3	2	2·0	4	1·3
West	4	3·6	5	2·6	3	1·7	2	0·5	2	3·7	0	—	3	3·9	1	0·6
East	3	3·3	2	2·9	4	8·5	4	4·3	5	4·5	6	7·6	4	6·1	7	5·4
Calm	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel
Comparison with normal for the time of year ... Warmth ...	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
Rainfall ...	Very light	Light	Light	Light	Very light	Very light	Very light	Light	Very light	Light	Very light	Very light
Sunshine ...	Moderate	Scanty	Scanty	Very scanty	Scanty	Scanty	Scanty	Moderate	Abundant	Scanty	Moderate	Moderate

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 9 weeks from Dec. 3rd, 1916. Warmth ...	2, 2, 5	1, 1, 7	1, 1, 7	1, 3, 5	1, 2, 6	1, 2, 6	2, 1, 6	1, 2, 6	1, 1, 7	2, 2 5	1, 1, 7	1, 1, 7
Rainfall ...	2, 2, 5	4, 3, 2	4, 2, 3	3, 4, 2	2, 3, 4	3, 2, 4	3, 1, 5	4, 1, 4	3, 1, 5	2, 3, 4	0, 5, 4	3, 3, 3
Sunshine ...	1, 7, 1	1, 4, 4	2, 2, 5	0, 2, 7	1, 2 6	0, 4 5	4, 3, 2	3, 5, 1	4, 4, 1	4, 3, 2	3, 5, 1	1, 4, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10285—19.) Wt. 79a—736. 450. 2/17. D & S. G. 17 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878. SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.										Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average.	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.	
0. SCOTLAND, N.																							
a, Islands	*a* Lerwick	54	41	31st	33	2,3	38·3	34·4	36·4	- 2·2	5	0·63	16	—	*	*	*	*	*	*	*	*	Lerwick.
	p Deerness	180	40	29,31	32	2,3	38·1	33 7	36·0	- 2 5	7	0 51	13	- 7	1·1	- 0·3	14	*	*	*	*	*	*	Deerness.
	a Stornoway	51	38	31st	31	29, 30, 3	37·1	31·9	34·6	- 4·4	5	0·55	14	- 14	1·0	- 0·5	13	*	*	*	*	*	*	Stornoway.
	a Castlebay, Barra Isd.	37	42	31st	33	3rd	39·3	34·7	37·1	- 4·3	4	0·21	5	- 13	1·4	—	17	*	*	*	*	*	*	Castlebay.
b, Mainland	*a* Wick	81	41	31st	28	30, 3	37·3	30·7	34·1	- 3·6	6	0·37	9	- 5	*	*	*	*	*	*	*	*	*	
	p Strathpeffer	200	38	31st	28	30th	36·0	30·1	33·2	- 3·8	2	0·21	5	- 13	*	*	*	*	*	*	*	*	*	Strathpeffer.
	p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*	*	*	*	*	*	
	p Fort Augustus	68	38	28, 2	29	29, 30, 3	36·6	30·3	33·6	- 4·0	4	0·41	11	- 18	1·0	0·0	13	*	*	*	*	*	*	Fort Augustus.
	p Fort William	171	39	2nd	27	29th	36·7	30·1	33·5	- 5·6	5	0·22	6	- 44	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
	p Gordon Castle	101	41	31st	29	3rd	36·9	30·9	34·0	- 4·2	5	0·49	12	- 1	1·6	—	20	7	17	34·0	-0·6	37·1	-0·3	Crathes.
	a Nairn	82	38	31st	28	30th	35·4	29·6	32·6	- 4·7	6	0·28	7	- 4	0·9	—	11	*	*	*	*	*	*	Gordon Castle.
	a Aberdeen	46	40	31st	28	31st	37·3	31·7	34·6	- 3·2	4	0 37	9	- 4	1·9	- 0·2	24	4	26	*	*	38·5	-0·4	Nairn.
	a Balmoral	930	39	3rd	16	3rd	34·1	25·4	29·9	- 4·0	5	0·24	6	- 11	*	*	*	7	12	*	*	*	*	Aberdeen.
	a Dundee	244	38	3rd	27	3rd	36·3	30·3	33·4	—	3	0·09	2	—	1·9	—	24	7	21	34·0	*	*	*	Balmoral.
	p Crieff	432	41	31st	25	3rd	36·7	27·3	32 2	- 5·2	2	0·04	1	- 21	*	*	*	7	21	*	*	*	*	Dundee.
	a Leith	18	38	30, 31, 3	31	30, 31, 3	36·7	32·0	34·4	- 4·7	2	0·05	1	- 9	*	*	*	6	23	*	*	*	*	
	a West Linton	769	34	31, 1, 3	25	30th	32·4	27·0	29 8	- 5·0	3	0·31	8	—	1·0	—	12	7	17	*	*	*	*	West Linton.
	p Marchmont	498	38	3rd	26	3rd	35·6	28·7	32·3	- 4·2	5	0·31	8	- 5	1·2	- 0·7	14	6	26	*	*	*	*	Marchmont.
	a Edinburgh	441	39	28th	29	30th	36·3	30·7	33·6	- 4·4	1	0·04	1	—	0·9	—	11	7	26	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.																							
	a Poltalloch	132	41	31st	—	—	36·3	—	—	—	0	0·00	0	- 25	*	*	*	*	*	*	*	*	*	
	p Glasgow Observatory	180	40	31st	29	30 h	37·1	32·0	34·7	- 3·7	1	0·07	2	- 16	0 7	- 0·4	8	6	24	*	*	*	*	Glasgow.
	p Rothesay	170	40	31st	30	30th	37·4	31·6	34·6	- 4·8	2	0·03	1	- 23	1 8	—	22	7	20	34·3	*	40·1	-1·7	Rothesay.
	a Kilmarnock	90	42	3rd	24	30th	38·6	29·0	34 0	- 5·1	1	0·16	4	- 15	2·0	—	24	*	*	33·9	*	39·8	*	Kilmarnock.
	a Colmonell	170	43	31st	19	30th	37·9	22·9	30·7	- 8·0	2	0·10	3	- 21	*	*	*	6	17	*	*	*	*	Colmonell.
	p Cally, Gatehouse	120	42	31, 1	22	30, 1	38·9	26·0	32 7	- 5 5	1	0·03	1	- 24	*	*	*	*	*	*	*	*	*	
	a Dumfries	160	40	1st	26	29-31, 1	36·7	27·9	32·5	- 5·9	0	0·00	0·1	- 19	1·7	—	20	7	18	33·0	*	37·4	*	Dumfries.
	a Eskdalemuir	794	34	31, 1	22	1st	32·4	24·7	28·7	—	2	0·17	4	- 22	2·1	—	25	7	16	*	*	*	*	Eskdalemuir.
b, I. OF MAN.	*p* Douglas	277	39	31, 1, 2	25	2nd	36·7	29·1	33·1	- 7·3	1	0·07	2	- 18	0·7	- 1·3	8	5	18	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a, North	*a* Alnwick Castle	210	39	31st	25	1st	36·7	29·0	33·0	- 5·0	5	0·29	7	- 5	1·1	—	13	7	22	33·3	-0·9	38·0	-0·6	Cockle Park.
	a Tynemouth	71	38	31st	30	1, 2	36·3	31·9	34·2	- 4·3	3	0·28	7	- 2	*	*	*	*	*	*	*	*	*	Tynemouth
	p Durham	336	39	2nd	26	30, 1, 3	34·7	27·9	31·4	- 5·9	5	0 24	6	- 3	1·2	- 0·7	14	7	22	*	*	*	*	Durham.
	p Rounton	249	35	31, 2, 3	23	1st	34·0	27·1	30·7	- 6·2	4	0·29	7	- 3	*	*	*	7	16	34·0	*	*	*	Rounton.
	a West Witton	605	36	31, 1	24	30th	33·3	26·4	30·0	—	3	0·05	1	—	*	*	*	7	20	34·6	*	38·6	*	West Witton.
	p Scarborough†	100	—	—	30	3rd	—	33 0	—	—	5	0·19	5	- 6	1·8	—	21	*	*	*	*	41·4	*	Scarborough.
	p York	56	38	31, 2	24	1st	35·6	29 4	32·6	- 5·5	4	0·11	3	- 7	1·7	+ 0·2	20	*	*	35·1	-1·7	40 0	-0·6	York.
b, South	*a* Spurn Head	26	37	31, 1	28	3rd	35·3	29·7	32·6	- 6·1	5	0·12	3	- 4	0·2	—	2	*	*	*	*	*	*	Spurn Head.
	a Lincoln	58	38	2nd	27	2nd	35·0	29·3	32·3	- 5·1	3	0·24	6	- 3	*	*	*	*	*	*	*	*	*	Lincoln.
	a Fulbeck	180	37	2nd	22	2, 3	33·4	25·6	29·7	- 8 1	3	0·26	7	- 3	1·0	—	11	7	17	34·0	-2·9	40·5	-1·3	Rauceby.
															0·5	—	6	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
	p Cromer	196	36	31st	23	2, 3	32·7	27·0	30·0	- 6·9	4	0·36	9	—	0·2	—	2	*	*	*	*	*	*	Cromer.
	p Little Massingham	280	34	31st	19	3rd	31·9	24·0	28·1	- 9·2	4	0·46	12	+ 1	0·0	- 1·9	0	7	18	*	*	*	*	Lit. Massingham.
	a Yarmouth	13	33	30, 1	20	3rd	31·6	27·9	29·8	- 7·7	0	0·00	0	- 9	0·0	—	0	7	18	34·6	-1·5	40·6	-0·7	Yarmouth.
	a Norwich	93	35	31st	23	2nd	32·6	26·9	29·9	- 7·4	5	0·25	6	—	0·0	—	0	7	15	33·8	*	*	*	Norwich.
	a Geldeston	37	34	30, 31, 1	19	3rd	32·6	25·6	29·2	- 8·9	3	0·10	3	- 6	0·1	- 2·0	1	*	*	*	*	*	*	Geldeston.
	p Cambridge	41	36	31st	21	3rd	32·9	26·1	29·6	- 8 3	4	0 11	3	- 5	0·0	- 2·0	0	7	16	34·3	-2·0	40·3	-1·0	Cambridge.
	a Clacton-on-Sea	54	33	28, 1	21	3rd	31·9	27 6	29 8	- 8·6	2	0·12	3	—	0·4	—	5	7	8	34 0	-4·3	40 7	-2·3	Clacton.
	a Rothamsted	424	35	3rd	20	2nd	31·4	24·1	27·9	- 9·4	3	0·06	2	- 10	0 1	- 1·8	1	7	14	33·1	*	*	*	Rothamsted.
	p Tottenham	51	35	31, 1	24	3rd	32·3	26 7	29·6	- 9·2	0	0·00	0	—	0·0	—	0	7	21	*	*	40·9	-1·5	Tottenham.
4. MIDLAND COUNTIES.																							
a, North	*a* Harrogate	479	35	31st	24	2nd	32 9	27·0	30·1	- 6·6	4	0·14	4	- 9	1·8	—	21	7	16	34 9	-1·9	38·4	-0·8	Harrogate.
	p Sheffield	429	37	2nd	26	29, 2	33·9	27·9	31·0	- 7·9	4	0·06	1	- 15	0·2	—	2	7	19	33·8	-2·1	39·9	-0·6	Sheffield.
	p Buxton	987	34	31, 2	13	2nd	31·0	22·6	27·0	- 8·3	1	0·06	2	- 24	0·5	—	6	7	7	33·6	-2·1	39·1	-1·9	Buxton.
b, East	*a* Bawtry	65	37	31st	22	2nd	34 3	26·9	30·8	- 6·8	4	0·06	2	- 8	1·1	- 0·5	13	7	13	34·6	*	38·9	*	Worksop.
	a Nottingham	82	38	31st	23	2nd	34·6	26·3	30·6	- 7 1	2	0 12	3	- 7	0 3	—	2	7	18	32·6	-2·4	36·9	-1·7	Nottingham.
	p Birmingham, Edgbsn.	535	?38	3rd	22	31st	?33 7	25·3	29·7	- 8·0	2	0·04	1	- 10	0·1	—	1	7	3	33·3	-4·8	41·5	-1·9	Birmingham.
	a Raunds	202	36	31, 3	19	3rd	33·1	23·6	28·5	- 8·7	2	0·07	2	—	*	*	*	7	9	36·0	*	42 5	*	Raunds.
	p Oxford	208	39	1st	25	29, 30	34·0	26·1	30·2	- 8·5	1	0·01	0	- 10	0·8	- 1·1	9	7	18	*	*	*	*	Oxford
c, West	*a* Cheadle (N. Staffs.)	846	35	31, 3	21	30th	31·9	24·4	28·3	- 8·6	2	0·19	5	- 8	*	*	*	7	17	*	*	*	*	Cheadle.
	p Shrewsbury	191	—	—	15	2nd	—	23·1	—	—	1	0·08	2	—	*	*	*	7	10	*	*	*	*	Shrewsbury.
	a Hereford§	291	38	31st	17	3rd	33·6	22·6	28·3	-10·2	1	0·02	1	- 12	0·7	—	8	7	14	33·0	*	38·7	*	Malvern.§
	a Clifton	222	38	3rd	22	30th	33·9	24·4	29·3	-10·3	1	0·08	2	- 13	0·9	—	10	7	19	*	*	*	*	Clifton.
5. ENGLAND, S.E.																							
	a Marlborough	424	37	3rd	19	30th	33 0	21·7	27·6	- 9·9	1	0·01	0·2	- 14	1·9	—	21	7	17	34·1	-3·7	41 8	-1·1	Worthing.
	a Margate	53	34	31st	21	3rd	32·0	26·1	29·2	- 9·9	2	0 04	1	- 8	0·7	- 1·0	8	7	9	34·4	*	42·6	*	Marlborough.
	a Wisley, Surrey	150	38	3rd	20	3rd	33·0	24·6	29 0	-10·4	1	0·02	1	—	0·8	- 1·1	9	7	14	34 0	-4·1	39 7	-1·4	Margate.
	p Salisbury (Wilton)	180	37	31st	16	29th	34·2	20 9	27·8	-10·5	0	0·00	0	- 15	1·2	—	13	7	7	33·8	-3·1	40·4	-1·1	Wisley.
	a Tunbridge Wells	354	33	31st	22	30, 2	31·1	24·3	27·8	-10·0	2	0·03	1	- 13	*	*	*	7	10	33·8	*	*	*	Salisbury.
															1 3	- 0·5	16	7	14	34·9	-1·5	40 6	*	Tunbridge Wells
	a Dungeness	21	34	28, 3	16	3rd	31·7	25·9	28·2	-10·5	2	0·08	2	- 8	2·7	—	30	7	8	*	*	*	*	
	p St. Leonards	178	33	1st	18	2nd	31·1	23·6	27·5	-12·2	3	0·19	5	- 8	2·4	+ 0·1	27	7	12	33·6	*	40·9	*	Dover.
	p Southampton	64	36	31st	18	29th	32·9	23·0	28·2	-12·1	0	0·00	0	- 14	1·9	- 0·2	21	7	6	*	*	*	*	St. Leonards.
	a Ventnor	59	39	31st	25	3rd	34·9	27·4	31·3	-10·1	0	0 00	0	- 14	1·7	- 0 6	19	*	*	*	*	*	*	Southampton.
LONDON.	*p* Richmond (Kew Obs.)	18	37	3rd	23	3rd	33·3	26·1	29·8	- 9·2	1	0·01	0·2	- 9	0 2	- 1·4	2	7	16	33·6	-3·1	41·0	-1·4	Ventnor.
	a Westminster	27	37	31st	24	3rd	33·3	28·2	30·9	- 8·3	1	0 03	1	- 8	0 1	- 0 8	1	6	22	*	*	*	*	Kew Obs.
	a Greenwich	155	36	3rd	23	2, 3	32·6	26·3	29 6	- 9·2	3	0·08	2	- 7	0 3	- 1·4	3	7	18	*	*	*	*	Westminster.
	a Hampstead	450	33	31st	20	3rd	30·3	23·7	27 2	—	3	0·06	2	—	0 1	—	1	7	13	*	*	*	*	Greenwich.
	a Camden Square	110	35	31, 3	23	2, 3	33·0	25·9	29·6	—	3	0·07	2	—	0·1	—	1	7	20	*	*	*	*	Hampstead.
															0·1	—	1	*	*	*	*	*	*	Camden Square.
7. *a*, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	36	1, 3	24	30th	33·9	26·9	30·5	- 7·2	2	0·06	2	- 13	1·4	—	17	7	18	33·6	*	39·6	*	Hoylake.
	p Newton Rigg	559	39	1st	23	1st	34·6	25·7	30·3	- 6·3	6	0·17	4	- 15	1 5	- 0·2	18	7	15	34·8	-2·0	39·0	-0·8	Aspatria.
	p Stonyhurst	375	36	31, 2	24	1st	34·4	27·9	31·3	- 6·6	2	0·41	10	- 12	1·0	- 0 6	12	7	18	*	*	*	*	Newton Rigg.
	p Blackpool	66	40	1st	23	30, 2	36·1	27·1	31·8	- 6·8	1	0 15	4	- 10	1·3	- 0·4	10	7	12	35·2	*	42 2	*	Stonyhurst.
	a Southport	37	37	1, 3	23	30th	35·3	27·1	31·4	- 7·5	1	0·19	5	- 9	0·5	- 1·2	6	7	12	32·2	-3·1	37 8	-1·7	Blackpool.
	a Liverpool (Bidston)	188	37	3rd	26	30th	34·4	28·4	31·5	- 8·2	1	0·07	17	+ 5	0·2	—	2	7	18	*	*	*	*	Southport.
	a Hawarden Bridge	22	40	2, 3	24	30, 2	36·6	27·1	32·0	- 8·1	0	0·00	0	- 9	0·0	—	0	7	20	32·7	-3·4	40·1	+1·5	Liverpool.
	p Manchester (Whit. Pk.)	128	38	31, 3	25	29, 2	35·3	27 3	31·5	- 7·7	1	0·35	9	- 3	0 3	- 0·5	3	*	*	*	*	*	*	Manchester (City) (Whit. Park)
b, NORTH WALES.																							
	p Llandudno	71	39	1, 2	21	2nd	36·4	27·3	32·0	+ 9·3	1	0·28	7	- 7	1·1	- 0·9	13	*	*	*	*	*	*	Llandudno.
	a Holyhead	15	43	2nd	23	31st	38·6	26·0	32·8	+ 8·9	1	0·35	9	- 7	3·3	—	38	7	10	*	*	*	*	Holyhead.
	p Bettws-y-Coed	146	40	3rd	18	2nd	35·0	23·6	29·5	-10·9	2	0 10	3	—	1·9	—	22	*	*	33·4	-4·4	41·4	-1·1	Bettws-y-Coed.
															3·8	—	44	*	*	*	*	*	*	Aberdovey.

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average	
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.	
8. *a*, SOUTH WALES:														4·3	—	49	•	•	•	•	•	•	Aberystwyth.
a Rhayader	550	34	31st	13	2, 3	30·0	19·9	25·2	—	2	0·04	1	—	1·9	—	22	7	9	•	•	•	•	Rhayader.
a St. Ann's Head	149	39	31, 1, 3	25	2, 3	36·1	27·1	31·8	−10·5	1	0·16	4	− 14	3·5	+ 1·4	39	•	•	•	•	•	•	St. Ann's Head.
p Cardiff	202	38	31, 3	22	30th	34·4	25·0	29·9	− 9·7	1	0·35	9	− 10	2·0	—	22	7	14	33·7	−4·4	39·8	−2·3	Cardiff.
b, ENGLAND S.W.																							
a Bath	66	39	3rd	20	29th	34·9	23·4	29·4	−10·2	2	0·03	1	− 12	•	•	•	•	•	34·5	−4·3	40·8	−2·5	Bath.
a Shaftesbury	722	35	1st	19	29th	31·7	22·1	27·1	−10·7	0	0·00	0	− 15	•	•	•	•	•	32·2	•	39·0	•	Shaftesbury.
a Arlington	613	38	1st	19	1st	34·3	21·9	28·4	−10·8	0	0·00	0	− 25	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	190	39	3rd	21	1, 3	36·1	25·6	31·1	−12·2	0	0·00	0	− 17	2·4	+ 0·3	27	•	•	37·3	•	43·4	•	Newquay.
a Cullompton	202	39	31, 2, 3	16	1st	35·9	22·7	29·6	−10·3	0	0·00	0	− 18	2·7	+ 0·8	30	7	10	35·5	•	•	•	Cullompton.
a Portland Bill	19	39	1st	28	29, 30, 2	35·6	29·3	32·6	− 9·0	1	0·04	1	—	1·3	—	14	•	•	•	•	•	•	Weymouth.
p Plymouth	116	39	3rd	21	1st	36·1	26·0	31·3	−10·7	0	0·00	0	− 18	1·9	− 0·2	21	•	•	34·9	−5·3	42·1	•	Plymouth.
a Falmouth	167	43	3rd	25	1, 3	37·6	29·0	33·5	− 9·6	0	0·00	0	− 23	1·5	− 0·7	17	4	19	37·4	•	42·8	•	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	42	31st	30	30, 1	38·1	32·4	35·2	− 5·6	4	0·29	7	− 7	1·0	—	12	•	•	•	•	•	•	Malin Head.
{ *a* Blacksod Point ..	327	38	3rd	27	31st	34·4	29·1	31·9	−10·6	3	0·63	16	− 9	•	•	•	•	•	•	•	•	•	•
{ *p* Markree Castle ..	122	42	1st	14	31st	36·0	22·7	29·6	− 9·9	2	0·24	6	− 14	0·4	− 1·3	5	6	12	35·8	•	41·6	•	Markree Castle.
b, East .. { *p* Armagh	196	41	1st	28	1st	37·0	30·0	33·6	− 6·1	1	0·04	1	− 13	0·9	− 0·9	11	7	18	35·9	−3·6	41·4	−1·5	Armagh.
{ *a* Donaghadee	101	42	1st	32	30, 31, 3	38·3	33·1	35·8	− 4·6	0	0·00	0	− 15	•	•	•	•	•	•	•	•	•	•
														•	•	•	7	22	36·1	−3·8	41·4	−1·7	Trinity Coll.
														2·2	0·0	26	7	17	•	•	•	•	Phœnix Park.
10. IRELAND, S.																							
p Dublin, City	47	40	1, 3	30	2, 3	37·1	31·1	34·2	− 7·6	2	0·17	4	− 9	•	•	•	7	26	•	•	•	•	Dublin City.
a Birr Castle	212	39	3rd	13	3rd	34·3	24·4	29·6	−10·3	2	0·12	3	− 11	1·2	− 0·8	14	7	9	•	•	•	•	Birr Castle.
a Kilkenny	20	37	2nd	10	3rd	34·1	24·3	29·4	−11·0	2	0·11	3	− 15	•	•	•	•	•	•	•	•	•	•
a Waterford ..	541	—	—	—	—	—	—	—	—	—	—	—	—	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	175	37	3rd	25	2, 3	32·4	26·1	29·4	—	0	0·00	0	—	1·8	—	21	7	15	•	•	•	•	Seskin.
a Cahir	50	40	3rd	20	3rd	35·0	26·9	31·1	−10·0	0	0·00	0	—	•	•	•	•	•	•	•	•	•	•
a Foynes	198	40	3rd	21	31st	34·9	27·0	31·1	−10·9	1	0·05	1	− 19	•	•	•	•	•	•	•	•	•	•
a Cahirciveen (Val. Obs.)	174	44	3rd	28	31st	39·7	31·4	35·7	− 8·6	2	0·16	4	− 28	2·0	− 0·1	23	3	24	•	•	•	•	Valencia Obs.
a Killarney	30	42	3rd	23	31st	37·0	28·9	33·1	− 9·3	2	0·04	1	− 33	•	•	•	•	•	•	•	•	•	•
a Roche's Point	32	45	3rd	29	3rd	38·6	32·6	35·7	− 7·6	3	0·07	2	− 23	1·0	—	11	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	41	29th	31	1st	39·0	33·6	36·4	− 8·9	2	0·05	1	− 16	0·6	− 1·8	7	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	41	1st	22	30th	34·6	26·0	30·5	−12·1	0	0·00	0·1	− 17	4·1	+ 1·4	45	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	37	30, 1	26	30th	35·7	29·6	32·8	−10·6	2	0·03	1	− 16	2·2	− 0·1	24	‡	‡	‡	‡	‡	‡	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 3rd, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	7	3	14	15	3	13	35
Aberdeen	153	105	52	—	—	—	—	32	123	13	0	W. by N.	11	3	24	15	3	24	0
Edinburgh	485	39	31	—	—	—	—	20	107	29	12	SSW.	10	3	3	17	3	3	0
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	3	1	39	87	41	0	SW.	11	3	3	15	3	8	15
Paisley	188	81	52	—	—	—	—	7	86	75	0	ESE.	6	28	8	14	28	5	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	—	—	—	30	104	34	0	SE. by E.	10	28	1	14	28	1	35
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	28, 30, 31	8	57	54	18	31	—	12	30	24	18	30	23	50
Shoeburyness	103	90	‡	—	—	28 to 30	31	45	73	19	0	E. by S.	16	28	3	20	28	7	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	28	3	35	57	73	0	E.	12	28	10	19	28	10	40
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	23	102	43	0	—	8	23	5	16	28	14	35
Brighton	261	53	6	—	—	—	—	34	96	28	10	—	10	28	11	20	28	10	40
Richmond (Kew Obs.) ..	82	65	22	—	—	28	6	49	72	41	0	E. by N.	12	28	9	18	28	9	30
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	10	60	98	0	ESE.	9	28	4	15	29	4	0
Southport	80	62	48	—	—	28	9	47	104	8	0	ESE.	13	28	5	29	28	5	15
Holyhead	60	40	‡	28	1	28	19	60	86	2	0	E. by N.	18	28	2	24	28	1	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	28	22	28 to 30	40	38	48	20	0	ESE.	24	28	1	30	28	0	35
Plymouth	185	88	2	—	—	28	17	50	64	37	0	—	14	28	3	25	28	1	15
Lyme Regis	556	61	‡	—	—	28	2	79	28	59	0	—	11	28	1	16	28	4	20
10. IRELAND, S.																			
Cahirciveen (Val. Obs.)	98	41	‡	—	—	28	19	64	62	32	0	ESE	17	28	4	26	28	5	30
Quilty	100	40	‡	28	3	28, 29	21	42	77	14	11	—	18	28	12	23	28	11	25
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	28	3	28 to 30	45	42	57	21	0	ESE.	18	28		25	28	2	15

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, is given in the Guide to the Tables of the Weekly Weather Report.

FIFTH WEEK of 1917—January 28th to February 3rd, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	41	27	75·8	72·6	74·2	— 3·5	0	— 7	55	+ 17	5	— 1	0·40	10	— 25	1·0	—0·2	13	1015
Eastern.																			
1. SCOTLAND, EAST ...	41	16	75·0	71·4	73·3	— 2·6	0	— 7	67	+ 24	4	0	0·26	7	— 8	1·4	—0·5	17	1015
2. ENGLAND, N.E.	39	22	74·7	71·2	73·1	— 3·7	0	— 9	69	+ 37	4	0	0·22	6	— 5	1·2	—0·8	14	1014
3. ENGLAND, EAST ...	36	19	73·1	69·8	71·5	— 5·3	0	— 10	89	+ 55	3	— 1	0·16	4	— 7	0·1	—2·3	1	1014
4. MIDLAND COUNTIES ...	39	15	73·9	69·2	71·6	— 5·3	0	— 11	88	+ 55	2	— 2	0·08	2	— 11	0·7	—1·2	8	1014
5. ENGLAND, S.E.	39	16	73·4	68·8	71·2	— 6·4	0	— 13	93	+ 67	1	— 3	0·04	1	— 12	1·5	—0·8	17	1013
Western.																			
6. SCOTLAND, WEST ...	43	19	76·1	71·0	73·7	— 3·4	0	— 9	62	+ 33	1	— 4	0·06	2	— 24	0·7	—0·9	8	1016
7. ENGLAND, N.W.	43	18	74·9	70·1	72·6	— 4·8	0	— 11	75	+ 50	2	— 3	0·26	7	— 11	1·5	—0·2	17	1015
8. ENGLAND, S.W.	43	13	74·5	68·9	71·8	— 6·4	0	— 16	85	+ 65	1	— 4	0·06	2	— 19	2·6	+0·4	29	1013
9. IRELAND, NORTH ...	42	13	75·4	71·1	73·3	— 4·5	0	— 13	66	+ 43	2	— 3	0·22	6	— 14	0·7	—1·1	8	1014
10. IRELAND, SOUTH ...	45	10	75·4	70·9	73·3	— 5·4	0	— 20	67	+ 49	2	— 3	0·09	2	— 18	1·6	—0·4	18	1012
11. ENGLISH CHANNEL ...	41	22	75·4	71·7	73·7	— 6·1	0	— 24	62	+ 55	1	— 4	0·03	1	— 16	2·3	—0·4	25	1011

THE SEASON (Winter).—Aggregates, &c., for the Period of 9 Weeks, December 3rd, 1916, to February 3rd, 1917.

0. SCOTLAND, NORTH ...	53	18	77·7	73·6	75·7	— 1·1	16	— 51	351	+ 54	44	— 3	9·20	233	— 68	0·6	—0·2	9	1007
Eastern.																			
1. SCOTLAND, EAST ...	54	11	76·9	72·3	74·7	— 1·3	14	— 48	466	+104	41	+ 4	6·12	156	+ 17	0·9	—0·3	13	1007
2. ENGLAND, N.E.	58	13	77·1	73·2	75·2	— 1·4	31	— 43	411	+113	42	+10	6 09	155	+ 53	0·9	—0·4	12	1007
3. ENGLAND, EAST ...	58	19	77·2	72·9	75·1	— 1·4	35	— 45	432	+100	39	+ 3	4·64	119	+ 22	0·8	—0·8	10	1007
4. MIDLAND COUNTIES ...	58	15	76·7	72·1	74·4	— 2·1	34	— 55	510	+171	34	— 1	4·45	114	— 1	0·7	—0·6	9	1008
5. ENGLAND, S.E.	56	15	77 5	73·1	75·4	— 2·1	41	— 80	412	+164	31	— 4	5·20	132	+ 11	1·2	—0·4	15	1008
Western.																			
6. SCOTLAND WEST ...	54	19	77·9	73·6	75·9	— 1·5	44	— 51	348	+113	37	— 6	7·50	191	— 61	1·2	+0·1	17	1008
7. ENGLAND, N.W.	58	18	77·5	73·2	75·4	— 2·0	39	— 58	402	+164	35	— 3	5·40	138	— 25	1·2	0·0	16	1008
8. ENGLAND, S.W.	59	13	77·9	73·3	75·7	— 2·6	52	—105	388	+208	31	— 9	6·03	153	— 52	1·9	+0·3	24	1009
9. IRELAND, NORTH ...	55	13	78·2	73·9	76·1	— 1·8	60	— 59	334	+127	39	— 6	5·84	148	— 38	1·5	+0·2	20	1008
10. IRELAND, SOUTH ...	59	10	78·5	73·5	76·1	— 2·7	81	—103	364	+204	39	— 4	5 49	140	— 73	1·7	+0·1	21	1009
11. ENGLISH CHANNEL ...	55	22	79·8	76·2	78·1	— 2·1	142	—108	185	+124	42	— 3	7·19	182	+ 7	1·8	—0·2	22	1009

THE YEAR 1917.—Aggregates, &c., for the Period of 5 Weeks, December 31st, 1916, to February 3rd, 1917.

0. SCOTLAND, NORTH ...	53	18	77·1	73·3	75·3	— 1·4	6	— 27	218	+ 43	22	— 4	4·56	116	— 51	0·8	—0·1	11	1015
Eastern.																			
1. SCOTLAND, EAST ...	54	14	76·4	72·5	74·5	— 1·4	9	— 23	272	+ 66	22	+ 2	2·79	72	— 1	0·8	—0·6	11	1015
2. ENGLAND, N.E.	58	22	76·7	73·4	75·1	— 1·4	25	— 14	238	+ 65	23	+ 5	3·08	79	+ 28	0·8	—0·7	10	1013
3. ENGLAND, EAST ...	58	19	76·3	72·8	74·6	— 1·7	26	— 15	271	+ 82	21	+ 1	1·90	49	— 3	0·7	—1·1	9	1012
4. MIDLAND COUNTIES ...	58	15	76·1	72·5	74·4	— 2·0	25	— 22	289	+ 97	18	— 2	1·95	50	— 11	0·6	—0·9	7	1013
5. ENGLAND, S.E.	56	16	76·6	73·0	74·9	— 2·3	29	— 29	261	+ 114	14	— 5	1·45	37	— 26	1·2	—0·6	15	1012
Western.																			
6. SCOTLAND, WEST ...	54	19	77·4	73·4	75·5	— 1·6	22	— 25	213	+ 74	15	— 9	2·91	74	— 55	1·1	—0·1	15	1015
7. ENGLAND, N.W.	58	18	76·9	73·3	75·2	— 2·0	27	— 21	239	+ 100	16	— 5	2·53	65	— 21	1·2	—0·2	16	1014
8. ENGLAND, S.W.	53	13	77·0	73·3	75·2	— 2·8	32	— 45	247	+ 137	13	— 9	1·72	44	— 58	1·8	+0·1	21	1014
9. IRELAND, NORTH ...	55	13	77·7	73·8	75·8	— 2·0	30	— 34	205	+ 85	18	— 7	2·40	61	— 38	1·2	—0·2	15	1014
10. IRELAND, SOUTH ...	59	10	78·0	73·8	76·0	— 2·6	45	— 53	214	+ 120	17	— 7	2·16	55	— 53	1·5	—0·2	19	1015
11. ENGLISH CHANNEL ...	53	22	78·5	75·5	77·1	— 2·7	62	— 59	149	+ 107	19	— 6	2·35	60	— 25	1·4	—0·7	17	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics
South Kensington, S.W., February 8th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C., and 28, ABINGDON STREET, LONDON, S.W.: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 6.

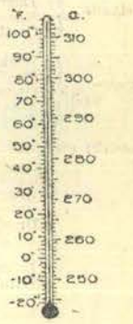
THE SIXTH WEEK OF 1917.

SUNDAY, FEBRUARY 4TH, TO SATURDAY, FEBRUARY 10TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The pressure distribution underwent considerable variations in the course of this period. The wind which shifted through all quarters of the compass was generally light. The frost of previous weeks increased in intensity and became the severest experienced in this country since February, 1895. The coastal sea water continued to cool, temperature going down to the freezing point in the Channel, though it was 279 a. off Wick and Galway and nearly 280 a. at Scilly. The mean air temperature was well below the normal in all districts, the deficiency being from 2 a. to more than 3 a. over Scotland, nearly 4 a. in the north of Ireland, 5 a. in the Channel Islands, and over 7 a. in the English Midlands. As a rule the day maxima were below 278 a. and in many instances the temperature remained below the freezing point all day, maxima as low as 269 a. were recorded at Fulbeck and Nottingham on the 7th. No locality escaped night frost, even Scilly and Blacksod sinking to 272 a. Minima below 266 a. were numerous, the lowest reported being 253 a. at Benson near Dorchester on Thames. Such a temperature 4° below the zero of the Fahrenheit Scale has seldom been recorded in England. The extremes at other stations are shown in Table IV. There was a generous display of bright sunshine, nearly all districts returning an excess of from an hour to four hours per day. Bognor and Worthing totalled 48 hours, and Jersey 49 hours. Such precipitation as there was was mostly in the form of snow, but it was very light, only 8 per cent. of the normal in Scotland West and 4 per cent in Ireland South. Early in the week snow lay 28 c.m. deep at Balmoral and Strathpeffer, and 20 cm. at Little Massingham.



II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	4	3·8	—	—	2	1·2	1	0·9	2	1·0	2	2·6	2	1·7	3	2·2
North	3	5·1	—	—	4	3·0	6	2·5	4	3·9	3	4·3	5	1·8	3	1·8
West	6	5·1	—	—	1	2·3	1	1·2	1	4·3	¼	3·3	5	4·0	1	2·0
East	1	1·9	—	—	6	6·1	5	3·0	5	3·6	7	5·8	2	2·0	6	2·0
Calm	0	—	—	—	0	—	¼	—	0	—	0	—	¼	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Light	Light	Very light	Moderate	Very light	Light	Very light	Very light	Very light	Very light	Very light	Light
	Sunshine ...	Moderate	Very abundant	Abundant	Abundant	Abundant	Very abundant	Abundant	Abundant	Very abundant	Abundant	Very abundant	Very abundant

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 10 weeks from Dec. 3rd, 1916.	Warmth ...	2, 2, 6	1, 1, 8	1, 1, 8	1, 3, 6	1, 2, 7	1, 2, 7	2, 1, 7	1, 2, 7	1, 1, 8	2, 2 6	1, 1, 8	1, 1, 8
	Rainfall ...	2, 2, 6	4, 3, 3	4, 2, 4	3, 5, 2	2, 3, 5	3, 2, 5	3, 1, 6	4, 1, 5	3, 1, 6	2, 3, 5	0, 5, 5	3, 3, 4
	Sunshine ...	1, 3, 1	2, 4, 4	3, 2, 5	1, 2, 7	2, 2, 6	1, 4, 5	5, 3, 2	4, 5, 1	5, 4, 1	5, 3, 2	4, 5, 1	2, 4, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10331—19.) Wt. 79a—736. 450. 2/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878. SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F	°F	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	46	8, 9	22	5th	41·0	32·4	36·7	- 1·5	6	0·76	19	—				•	•	•	•	•	•
p Deerness	160	47	8th	22	4th	40·6	33 1	36·9	—	3	0·28	7	—	Deerness ..	1·7	0·0	21	•	•	•	•	•	•
a Stornoway	51	47	10th	24	4–6	41·6	30·6	36·1	- 2·9	6	0·44	11	- 16	Stornoway ..	1·9	+ 0·1	23	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	47	7, 8, 10	27	4, 5	43·6	35·3	39·5	- 1·7	5	0·22	6	—	Castlebay ..	1·4	—	16	•	•	•	•	•	•
b, Mainland. a Wick	81	46	10th	17	6th	40·3	27·4	33·9	- 3·7	5	0·28	7	- 7	Fort Augustus..	1·7	+ 0·5	20	•	•	•	•	•	•
p Strathpeffer	200	45	8th	12	6th	39·4	28·0	33·7	- 3·4	3	0·68	17	0										
p Glencarron	500	42	8th	14	5, 6	37·9	27·6	32·8	- 3·7	6	0·47	12	- 36										
p Fort Augustus.. ..	68	47	10th	10	6th	39·3	25·9	32·6	- 5·1	1	0·31	8	- 19										
p Fort William	171	44	9th	14	6th	38·1	27·4	32·8	- 6·3	5	0·34	9	- 38										
1. SCOTLAND, E.																							
a Nairn	82	47	8th	14	6th	39·6	26·7	33·2	- 4·2	3	0·17	4	- 7	Crathes	4·5	—	52	7	7	33·6	-1·1	37·1	-0·2
p Gordon Castle	101	49	9th	16	6th	41·1	28·6	34 9	- 3·3	3	0·20	5	- 8	Nairn	4 3	—	50	•	•	•	•	•	•
a Aberdeen	46	48	8th	18	6th	39·4	25·0	32·2	- 5·7	2	0 08	2	- 12	Gordon Castle..	3·2	—	37	•	•	•	•	•	•
a Balmoral	930	44	8, 10	4	6th	37·4	18·7	28·1	- 5 9	3	0·15	4	- 13	Aberdeen ..	4·7	+ 2·4	55	7	14	•	•	38·1	-0·6
a Dundee	244	45	10th	17	6th	37·7	24·9	31·3	—	1	0·02	1	—	Balmoral ..	•	•	•	7	2	•	•	•	•
p Crieff	432	49	8th	15	6th	41·4	23·3	32·4	- 5·3	1	0·01	0	— 22	Dundee	5·3	—	61	7	13	33·3	•	•	•
a Leith	18	45	8th	23	6, 7	38·4	28·4	33·4	- 5·7	2	0·03	1	- 9	Leith	•	•	•	6	13	•	•	•	•
a Edinburgh	441	45	8th	23	4, 6	38·1	28·3	33·2	—	1	0·02	1	—	Edinburgh ..	2·5	—	29	6	15	•	•	•	•
a West Linton	769	40	8th	2	6th	35·0	18·1	26 6	- 8·3	1	0·03	1	—	West Linton ..	2·0	—	23	6	- 7	•	•	•	•
p Marchmont	498	44	8th	12	6th	37·7	21·7	29·7	- 7·1	4	0·12	3	- 10	Marchmont ..	2·7	+ 0·6	31	6	15	•	•	•	•
6. a SCOTLAND, W.																							
a Poltalloch	132	45	6, 8, 10	—	—	42·0	—	—	—	2	0·30	8	- 16	Glasgow.. ..	1·5	+ 0·2	17	6	16	•	•	•	•
p Glasgow Observatory	180	48	8th	23	6th	38·6	30·0	34·3	- 4·2	1	0·01	0·2	- 17	Rothesay ..	3·6	—	41	5	21	34·1	•	39·6	-2·0
p Rothesay	170	47	8th	26	4th	40·1	32·4	36·3	- 3·2	3	0·08	2	- 21	Kilmarnock ..	1·9	—	22	7	17	33·4	•	39·1	•
a Kilmarnock	90	47	8th	20	5th	40·7	27·6	34 2	- 4·7	0	0·00	0	—										
a Colmonell	170	44	8th	20	6th	38·9	26·0	32·5	- 6·0	0	0·00	0	- 23	Colmonell ..	•	•	•	6	16	•	•	•	•
p Cally. Gatehouse ..	120	41	8th	16	6th	37 3	24·1	30·7	- 7·7	1	0·01	0	- 25	Dumfries ..	0·9	—	10	7	11	32·3	•	37·0	•
a Dumfries	160	42	8th	17	6th	34·9	25·4	30·2	- 8·4	1	0·01	0·3	- 19	Eskdalemuir ..	2·3	—	26	7	5	•	•	•	•
a Eskdalemuir	794	39	7th	10	6, 7	31·9	18·1	25·0	—	3	0·04	1	—										
7. I. OF MAN p Douglas	277	43	8th	25	5, 6	39·1	28·3	33·7	- 6·6	1	0·05	1	- 19	Douglas	4·3	+ 2·1	48	7	19	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	46	8th	15	6th	37·3	22·0	29·7	- 8·3	1	0·09	2	- 10	Cockle Park ..	2·5	—	28	7	12	32·5	-3·0	37·3	-0·9
a Tynemouth	71	41	8th	21	5, 6	35·3	25·1	30·2	- 8·6	1	0·04	1	- 8	Durham	3·1	+ 1·0	35	7	6	•	•	•	•
p Durham	336	44	8th	13	6th	36 1	20·0	28·1	- 9·2	1	0 02	0·4	- 8	Rounton	•	•	•	7	11	33·2	•	•	•
a North .. p Rounton	249	43	8th	10	5th	35·3	17·6	26·5	-10·6	0	0·00	0	- 10	West Witton ..	•	•	•	7	8	34·0	•	38·0	•
a West Witton	605	45	8th	12	6th	36·9	18·6	27·8	—	0	0·00	0	—	Scarborough ..	3·9	—	44	•	•	•	•	40·0	•
p Scarborought	100	—	—	25	7th	—	28 0	—	—	1	0·05	1	- 10	York	2·3	+ 0·6	26	•	•	34·6	-2·4	39·5	-0·7
p York	56	37	6, 9	12	7th	33·7	16·1	24·9	-13·4	0	0·00	0	- 10										
b, South a Spurn Head	26	40	9th	24	9th	36·7	27·0	31·9	- 7·0	2	0·02	0·4	- 7	Spurn Head ..	2·6	—	29	•	•	•	•	•	•
a Lincoln	58	37	8, 9	10	7th	34·7	16·6	25·7	-12·2	0	0·00	0	- 9	Lincoln	•	•	•	•	•	32·0	-3·5	38·6	-0·7
a Fulbeck	180	35	4, 6, 8, 9	5	6th	32·9	12·4	22·7	-15 5	1	0·17	4	- 6	Rauceby	4·1	—	45	7	8	33·2	-4·5	40·0	-1·6
														Skegness	3·6	—	40	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	40	7th	21	8th	36·1	26·3	31·2	- 5·8	3	0·43	11	—	Cromer	4·0	—	44	•	•	•	•	•	•
p Little Massingham ..	280	36	7th	17	9th	33·9	21·8	27·8	- 9 8	4	0 34	9	- 2	Lit. Massingham	3·6	+ 1·4	40	7	16	•	•	•	•
a Yarmouth	13	39	7th	16	8th	35·6	26·7	31·2	- 6·4	1	0 20	5	- 4	Yarmouth ..	4·4	—	48	5	16	34·0	-3·0	40·0	-1·0
a Norwich	93	37	9, 10	9	7th	35·0	18·3	26·7	-10·8	2	0·52	13	—	Norwich	3·3	—	36	7	3	33·3	•	•	•
a Geldeston	37	38	7, 10	5	7th	35·7	17·0	26·4	-12·1	4	0·44	11	+ 2	Geldeston ..	3·7	+ 1·4	41	•	•	•	•	•	•
p Cambridge	41	37	9th	11	7th	32·7	16·9	24·8	-13·5	3	0·12	3	- 5	Cambridge ..	1·9	- 0·4	21	7	8	33·8	-3·0	39·6	-1·3
a Clacton-on-Sea ..	54	38	9th	24	6–8	35·6	25 9	30·8	- 7·7	3	0·14	4	—	Clacton	4·5	—	48	6	18	33·8	-4·8	39 9	-2·9
a Rothamsted	424	35	9th	15	8th	32·3	17·6	25·0	-12·6	1	0·15	4	- 7	Rothamsted ..	4·7	+ 2·6	51	7	6	32·9	•	•	•
p Tottenham	51	39	9th	18	7th	36·3	22·1	29·2	- 9·8	1	0·16	4	—	Tottenham ..	5·8	—	41	7	17	•	•	39·9	-2·3
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	43	8th	15	5th	35 7	19·4	27·6	- 9·4	0	0·00	0	- 13	Harrogate ..	4·7	—	52	7	8	34·0	-4·1	37·8	-1·2
p Sheffield	429	41	8th	19	7th	36·4	22·7	29·1	—	1	0·02	1	—	Sheffield.. ..	1·4	—	16	7	12	32·9	-3·3	39·2	-0·8
p Buxton	987	37	8th	4	7th	32·4	12·9	22·7	-12·8	3	0·00	0	- 25	Buxton	2·2	—	24	7	- 1	32 8	-3·1	38·6	-2·0
a Bawtry	65	36	4, 10	12	7th	34 3	16·6	25·5	-12·7	1	0·01	0	- 10	Worksop ..	2·2	+ 0·4	24	7	7	33·4	•	38·3	•
a Nottingham	82	36	9th	8	5th	33 3	14 7	24·0	-14·0	1	0 08	2	- 8	Nottingham ..	1·4	—	15	7	9	31·7	-3·9	36·1	-2·1
b, East .. p Birmingham, Edgbsn.	535	36	4th	12	7th	34 4	20·4	27·4	-10 6	1	0·02	1	- 10	Birmingham ..	0·6	—	7	7	2	33·8	-4·3	?	?
a Raunds	202	36	9, 10	9	7th	34·4	15·3	24·9	-12·8	1	0·19	3	—	Raunds	•	•	•	7	3	35·1	•	42·0	•
p Oxford	208	36	6, 9	13	7th	34·0	18 3	26·2	-12·8	1	0·15	4	- 6	Oxford	5·1	+ 3·0	55	7	0	•	•	•	•
c. West .. a Cheadle (N. Staffs.) ..	646	38	9th	12	7th	34·4	18·9	26·7	-10·4	0	0 00	0	- 13	Cheadle	•	•	•	7	9	•	•	•	•
p Shrewsbury	191	40	10th	6	6, 7	37·6	13·7	25·7	-13·4	0	0·00	0	—	Shrewsbury ..	•	•	•	7	5	•	•	•	•
a Hereford§	361	36	9th	4	7th	34 0	12·0	23·0	-15·9	1	0·13	3	- 10	Malvern§ ..	4·4	—	48	7	7	32·0	•	37·9	•
a Clifton	229	37	10th	15	8th	32·9	20·1	26·5	-13·5	1	0·18	5	- 10	Clifton	5·1	—	55	7	13	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	37	10th	4	5th	34·0	10·9	22·5	-15·4	1	0·31	8	- 6	Worthing	6·9	—	74	7	12	33·8	-4·5	40·9	-1·7
p Salisbury (Wilton) ..	180	38	10th	13	5, 7, 8	35·1	16·3	25·7	-12·9	1	0 16	4	- 11	Marlborough ..	4·5	+ 2·6	48	7	0	33·9	•	41·9	•
a Wisley, Surrey ..	150	38	9th	5	7th	34·7	14·9	24·8	-14·8	1	0·28	7	—	Salisbury	•	•	•	7	8	33·2	•	•	•
a Tunbridge Wells ..	354	38	9th	18	4th	35·6	22 0	28·8	- 9·4	1	0·14	4	- 10	Wisley	1·8	-	19	7	- 4	33·4	-4·3	39·2	-2·0
a Margate	53	37	4, 9, 10	25	4th	35·9	29·6	32·8	- 6·6	1	0·02	1	- 8	Tunbridge Wells	5·0	+ 2·9	54	7	11	34·1	-2·5	39·4	•
														Margate	4 5	+ 2 3	48	7	19	33·5	-4·9	38·6	-2·2
a Dungeness	21	37	9, 10	15	4th	35·6	25·3	30·5	- 9·0	1	0·04	1	- 9	Dover	5·7	—	61	•	•	•	•	•	•
p St. Leonards	178	37	9th	22	9th	34·9	24·7	29·8	-10·0	1	0·10	3	- 10	St. Leonards ..	5·8	+ 3·3	62	7	17	32·8	•	39·9	•
p Southampton	64	40	10th	18	5th	36·1	21·1	28·6	-12·1	1	0·09	2	- 11	Southampton ..	5·6	+ 3·3	60	7	9	•	•	•	•
a Ventnor	59	40	9th	21	5th	37·6	25 7	31·7	- 9·9	1	0 17	4	- 9	Ventnor	6·7	+ 4·2	71	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	39	10th	14	8th	35·6	21·2	28·4	-10·9	1	0·14	4	- 5	Kew Obs. ..	1 8	0·0	19	7	15	32·7	-4·3	40·3	-1·7
a Westminster	27	39	9th	23	7th	36·2	25·9	31·1	- 8·2	1	0·12	3	- 7	Westminster ..	2 1	+ 1·1	23	7	20	•	•	•	•
a Greenwich	155	37	7, 9	18	7, 8	35·4	21·1	28·3	-10·7	1	0·20	5	- 4	Greenwich ..	3·8	+ 2·1	41	7	16	•	•	•	•
a Hampstead	450	34	9, 10	15	7th	32·6	19 5	26 1	—	1	0 16	4	—	Hampstead ..	4 5	—	48	7	7	•	•	•	•
a Camden Square ..	110	40	9th	19	7, 9	36·7	21·7	29·2	—	1	0·15	4	—	Camden Square	3·4	—	37	7	19	•	•	•	•
7. a, ENGLAND, N.W.																							
£ Aspatria (Mealsgate)	487	39	8, 9	16	5th	34·4	21·7	28·1	- 9·6	1	0·01	0·3	- 15	Aspatria.. ..	1·1	—	12	6	11	33·1	•	38·9	•
p Newton Rigg	559	37	8th	9	6th	33·4	18·3	25·9	-10·7	2	0 06	1	- 18	Newton Rigg ..	1·4	- 0·5	16	7	6	34·3	-2·5	38·4	-1·0
p Stonyhurst	377	37	8, 9	14	6th	33·6	19·9	26·8	-11·2	0	0·00	0	- 21	Stonyhurst ..	3·7	+ 1·9	41	7	6	•	•	•	•
p Blackpool	66	39	10th	15	6th	34·0	20·6	27·3	-11·4	1	0 04	1	- 13	Blackpool ..	3·5	+ 1 6	39	7	8	34 6	•	41·3	•
a Southport	37	38	8th	12	6th	34·0	19·4	26·7	-12·2	1	0·01	0·2	- 14	Southport ..	1·8	- 0 2	20	7	6	29·7	-6·0	37 0	-1·9
														Hoylake ..	2 4	—	27	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	38	8th	16	6th	34·0	21·7	27·9	-11·5	0	0·00	0	- 11	Liverpool ..	3·3	—	37	7	?14	•	•	•	•
a Hawarden Bridge ..	22	41	8th	11	6th	36·9	18·3	27·6	-12·5	0	0·00	0	- 9	Manchester(City)	0·0	—	0	7	7	32·7	-3·7	39·5	-1·7
p Manchester (Whit. Pk.)	126	37	8th	10	6th	33·7	18 0	25·9	-13·4	1	0·02	1	- 11	" (Whit. Park)	0·0	- 1·0	0	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	71	40	8, 10	16	6th	38·0	25·6	31·8	- 9·5	1	0·14	4	- 9	Llandudno ..	4·5	+ 2·3	49	•	•	•	•	•	•
a Holyhead	15	44	10th	23	6th	49·4	29·4	34·9	- 6·5	1	0·12	3	- 13	Holyhead ..	4·7	—	52	7	12	•	•	•	•
p Bettws-y-Coed† ..	118	41	8th	10	6th	36·7	18 9	27·8	-12 6	1	0 41	10	—	Bettws-y-Coed.	3·8	—	42	•	•	32·7	-5·4	40·9	-1·3
p Aberdovey	22	41	4, 7–9	24	6, 7	39·4	27·7	33·6	—	1	0·11	3	—	Aberdovey ..	5·6	—	60	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES:																							
a Aberystwyth	59	39	8th	13	6th	36·6	23·9	30·3	—	0	0·00	0	—	Aberystwyth ..	5·8	—	64	•	•	•	•	•	•
a Rhayader	757	38	9th	4	7th	35·1	15·9	25·5	—	2	0·07	2	—	Rhayader ..	5·5	—	60	7	0	•	•	•	•
a St. Ann's Head	149	41	9th	22	7th	37·6	27·1	32·4	- 9·7	2	0·20	5	- 12	St. Ann's Head	5·3	+ 2·9	57	•	•	•	•	•	•
p Cardiff	202	36	10th	16	7, 8	34·0	21·4	27·7	-12·0	1	0·03	1	- 18	Cardiff	6·9	—	65	7	4	32·8	-5·8	39·0	-3·0
b, ENGLAND, S.W.																							
a Bath	66	38	10th	10	8th	33·4	16·6	25·0	-12·7	1	0·11	3	- 10	Bath	•	•	•	•	•	33·6	-5·3	39·8	-3·1
a Shaftesbury	722	36	10th	18	5th	32·0	21·6	26·8	-11·3	1	0·14	4	- 11	Shaftesbury ..	•	•	•	•	•	32·0	•	38·2	•
a Arlington	613	38	7th	14	6th	34·3	20·3	27·3	-11·9	1	0·05	1	- 23	Arlington ..	•	•	•	•	•	•	•	•	•
a Newquay	190	42	7th	20	4th	37·3	23·7	30·5	-12·8	2	0·27	7	- 10	Newquay ..	6·4	+ 4·0	68	•	•	35·9	•	42·3	•
a Cullompton	202	38	10th	12	6th	35·0	17·3	26·2	-14·0	1	0·19	5	- 12	Cullompton ..	5·7	+ 3·6	61	7	3	34·6	•	•	•
a Portland Bill	12	40	9th	26	6, 8	36·4	27·6	32·0	- 9·5	1	0·04	1	—	Weymouth ..	6·5	—	69	•	•	•	•	•	•
p Plymouth	116	40	7th	23	6th	38·0	26·9	32·5	- 9·5	1	0·12	3	- 14	Plymouth ..	6·8	+ 4·5	72	•	•	33·8	-6·6	41·2	•
a Falmouth	167	43	7th	24	6, 7	39·0	26·7	32·9	-10·2	1	0·11	3	- 20	Falmouth ..	5·8	+ 3·3	62	6	19	35·8	•	41·7	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	45	7, 8, 10	27	6th	42·4	33·1	37·8	- 3·0	2	0·09	2	- 12	Malin Head ..	2·6	—	30	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	46	7, 8	30	5th	41·1	32·9	37·0	- 5·5	2	0·12	3	- 21	Markree Castle	3·7	+ 1·8	41	6	8	35·6	•	41·0	•
{ *p* Markree Castle ..	122	45	7, 9	7	6th	40·4	15·7	28·1	-11·7	2	0·25	6	- 14										
b, East .. { *p* Armagh	196	49	7th	22	5, 6	41·1	27·1	34·1	- 5·7	2	0·02	1	- 12	Armagh	3·2	+ 1·2	36	6	14	35·2	-4·5	40·6	-2·0
{ *a* Donaghadee	101	45	7th	28	4-6	41·0	31·1	36·1	- 4·4	2	0·02	1	- 13										
10. IRELAND, S.																							
p Dublin, City	47	40	9, 10	20	6th	36·6	26·1	31·4	-10·7	0	0·00	0	- 13	Trinity Coll. ..	•	•	•	7	10	35·3	-5·1	40·8	-2·2
a Birr Castle	175	41	7, 9, 10	12	5th	37·1	19·3	28·2	-11·8	0	0·00	0·1	- 14	Phœnix Park ..	4·5	+ 2·1	49	7	3	•	•	•	•
a Kilkenny	212	42	9th	9	6th	37·6	16·4	27·0	-13·6	2	0·05	1	- 16	Dublin City ..	•	•	•	7	16	•	•	•	•
a Waterford	20	42	9th	19	6th	38·1	25·9	32·0	- 9·3	2	0·12	3	- 19	Birr Castle ..	3·0	+ 0·9	33	7	2	•	•	•	•
a Seskin, Carrick-on-Suir	541	42	7th	23	5th	37·1	27·4	32·3	—	2	0·02	1	—	Seskin	6·2	—	68	7	13	•	•	•	•
a Cahir	199	47	7th	18	6th	40·7	23·6	32·2	- 9·0	1	0·02	1	—	Valencia Obs. ..	6·2	+ 3·9	68	7	23	•	•	•	•
a Foynes	50	49	7th	21	4th	41·0	24·6	32·8	- 9·5	1	0·03	1	- 19	Ballinacurra ..	6·1	—	66	•	•	•	•	•	•
a Cahirciveen (Val. Obs.)	30	48	7th	27	8, 9	43·1	28·6	35·9	- 8·4	1	0·04	1	- 30										
a Killarney	174	49	7th	22	5th	43·4	25·9	34·7	- 7·8	1	0·03	1	- 32										
a Roche's Point	32	47	7th	27	6th	41·7	30·6	36·2	- 7·1	1	0·05	1	- 23										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	44	10th	30	6, 7	40·9	32·1	36·5	- 8·7	1	0·08	2	- 15	Scilly	5·8	+ 3·1	62	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	42	7th	23	4, 10	37·6	27·9	32·8	- 9·8	1	0·04	1	- 15	St. Heliers ..	7·0	+ 4·0	74	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	44	10th	28	4, 9, 10	39·7	30·7	35·2	- 8·2	1	0.11	3	- 14	Guernsey† ..	6·7	+ 4·4	71	6	19	34·7	-6·9	41·4	-3·5

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 10th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	m/s.	Mid Time. day.	hr.	Highest Gust. Speed. m/s.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.								
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	35	90	43	—	5	5	5	13	4	0	25
Aberdeen	153	105	52	—	—	—	—	16	102	50	0	NW. by W.	9	4	1	16	4	0	15
Edinburgh	485	39	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	4, 5	3	12	50	103	0	NW. by N.	12	5	1	17	5	1	20
Paisley	188	81	52	—	—	—	—	1	65	102	0	SSW.	6	6	14	11	6	13	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	5	44	95	24	NW. by N.	6	4	12	3	4	12	5
South Shields	72	61	12	—	—	—	—	1	96	71	0	NNW.	6	4	13	10	4	6	0
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	5	3	61	87	13	4	—	12	5	10	17	5	11	10
Shoeburyness	103	90	‡	—	—	—	—	106	59	1	2	ENE.	10	9	15	14	9	14	5
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	5	86	77	0	NE.	8	8	20	11	8	19	55
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	5, 6, 9	20	91	9	5	43	—	12	5	22	17	5	22	20
Warlingham	642	33	‡	—	—	—	—	18	108	25	17	—	8	9	15	14	9	15	40
Brighton	261	53	6	—	—	—	—	88	66	6	8	—	10	8	20	17	6	13	25
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	51	91	26	0	E. by N.	10	10	10	15	10	10	0
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Southport	80	62	48	—	—	—	—	12	141	15	0	SE.	7	7	11	—	—	—	—
Holyhead	60	40	‡	—	—	4, 5, 9, 10	13	55	84	16	0	N.	15	5	5	18	5	2	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	5, 8 to 10	34	84	50	0	0	E.	16	9	13	21	9	0	25
Plymouth	185	88	2	—	—	8	1	57	99	8	3	—	12	8	11	20	8	10	55
Lyme Regis	556	61	‡	—	—	5, 6, 8, 9	6	93	61	8	0	—	12	6	17	18	8	22	40
10. IRELAND, S.																			
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	30	66	61	11	NE.	10	4	22	19	4	21	40
Quilty	100	40	‡	—	—	—	—	36	65	44	23	—	9	4	21	13	6	—	—
Weaver Pt.	160	30	‡	—	—	—	—	34	98	36	0	—	8	9	14	15	9	14	15
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	5, 9	6	74	78	10	0	ESE.	13	9	13	20	9	13	15

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Stand ard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, is given in the Guide to the Tables of the Weekly Weather Report.

SIXTH WEEK of 1917—February 4th to February 10th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	47	10	77·3	71·1	74·2	— 1·9	0	— 5	55	+ 16	5	0	0·47	12	— 17	1·8	+0·3	21	1022
Eastern.																			
1. SCOTLAND, EAST ...	49	2	76·8	68·4	72·6	— 3·2	0	— 7	75	+ 31	2	— 2	0·10	3	— 11	4·0	+1·7	46	1024
2. ENGLAND, N.E.	46	5	74·8	66·1	70·5	— 6·1	0	— 10	102	+ 67	1	— 3	0·04	1	— 8	3·3	+0·9	36	1025
3. ENGLAND, EAST ...	40	5	74·6	67·1	70·8	— 5·9	0	— 10	97	+ 63	2	— 2	0·28	7	— 2	3·8	+1·4	42	1024
4. MIDLAND COUNTIES ...	43	4	74·4	64·6	69·6	— 7·1	0	— 11	113	+ 76	1	— 3	0·07	2	— 10	2·9	+0·9	32	1025
5. ENGLAND, S.E.	40	4	74·9	67·0	71·0	— 6·3	0	— 13	95	+ 66	1	— 3	0·14	4	— 10	4·8	+2·7	52	1023
Western.																			
6. SCOTLAND, WEST ...	48	16	76·6	70·6	73·6	— 3·3	0	— 9	62	+ 31	1	— 4	0·06	2	— 24	2·9	+0·9	33	1024
7. ENGLAND, N.W.	44	9	74·9	67·0	71·0	— 6·2	0	— 10	95	+ 67	1	— 3	0·08	2	— 15	3·1	+1·2	35	1025
8. ENGLAND, S.W.	43	4	74·9	67·5	71·2	— 6·8	0	— 15	92	+ 69	1	— 3	0·11	3	— 17	5·9	+3·7	63	1023
9. IRELAND, NORTH ...	49	7	77·7	69·9	73·9	— 3·8	0	— 14	59	+ 55	2	— 3	0·08	2	— 18	3·5	+1·4	38	1025
10. IRELAND, SOUTH ...	49	9	77·4	68·9	73·2	— 5·6	0	— 20	68	+ 49	1	— 4	0·04	1	— 22	5·0	+2·8	54	1026
11. ENGLISH CHANNEL ...	44	23	77·1	72·0	74·6	— 5·0	0	— 23	50	+ 40	1	— 3	0·08	2	— 14	6·5	+3·9	69	1021

THE SEASON (Winter).—Aggregates, &c., for the Period of 10 Weeks, December 3rd, 1916, to February 10th, 1917.

0. SCOTLAND, NORTH ...	53	10	77·6	73·3	75·6	— 0·9	16	— 56	408	+ 72	48	— 4	9·70	246	— 84	0·8	0·0	11	1009
Eastern.																			
1. SCOTLAND, EAST ...	54	2	76·9	72·0	74·5	— 1·5	14	— 55	541	+135	43	+ 2	6·22	159	+ 6	1·2	−0·1	17	1009
2. ENGLAND, N.E.	58	5	76·9	72·5	74·8	— 1·8	31	— 53	513	+180	43	+ 7	6·13	156	+ 45	1·2	−0·3	15	1009
3. ENGLAND, EAST ...	58	5	76·9	72·3	74·7	— 1·8	35	— 55	529	+163	41	+ 1	4·92	126	+ 20	1·1	−0·6	14	1009
4. MIDLAND COUNTIES ...	58	4	76·4	71·3	74·0	— 2·5	34	— 66	623	+247	35	— 4	4·52	116	— 11	0·9	−0·5	12	1010
5. ENGLAND, S.E.	56	4	77 2	72·5	75·0	— 2·5	41	— 93	507	+230	32	— 7	5·34	136	+ 1	1·6	−0·1	19	1009
Western.																			
6. SCOTLAND WEST ...	54	16	77·8	73·3	75·6	— 1·7	44	— 60	410	+144	38	−10	7·56	193	— 85	1·4	+0·2	19	1010
7. ENGLAND, N.W.	58	9	77·2	72·6	75·0	— 2·4	39	— 68	497	+231	36	— 6	5·48	140	— 40	1·4	+0·1	18	1010
8. ENGLAND, S.W.	59	4	77·6	72·8	75·2	— 3·1	52	−120	480	+277	32	−12	6·14	156	— 69	2·3	+0·6	28	1010
9. IRELAND, NORTH ...	55	7	78·2	73·5	75·9	— 2·0	60	— 73	393	+162	41	— 9	5·92	150	— 56	1·7	+0·3	22	1010
10. IRELAND, SOUTH ...	59	9	78·4	73·1	75·8	— 3·0	81	−128	432	+253	40	— 8	5·52	141	— 95	2·0	+0·3	25	1010
11. ENGLISH CHANNEL ...	55	22	79·6	75·8	77·8	— 2·4	142	−131	235	+164	43	— 6	7·27	184	— 7	2·3	+0·2	27	1010

THE YEAR 1917.—Aggregates, &c., for the Period of 6 Weeks, December 31st, 1916, to February 10th, 1917.

0. SCOTLAND, NORTH ...	53	10	77·1	72·9	75·1	— 1·2	6	— 32	275	+ 61	26	— 5	5·06	129	— 67	0·9	−0·1	13	1016
Eastern.																			
1. SCOTLAND, EAST ...	54	2	76·4	71·8	74·2	— 1·7	9	— 30	347	+ 97	24	0	2·89	75	— 12	1·3	−0·3	18	1016
2. ENGLAND, N.E.	58	5	76·4	72·2	74·4	— 2·1	25	— 24	340	+ 132	24	+ 2	3·12	80	+ 20	1·2	−0·4	15	1015
3. ENGLAND, EAST ...	58	5	76·1	71·9	74·0	— 2·4	26	— 25	368	+ 145	23	— 1	2·18	56	— 5	1·2	−0·7	15	1014
4. MIDLAND COUNTIES ...	58	4	75·8	71·2	73·6	— 2·8	25	— 33	402	+ 173	19	— 5	2·02	52	— 21	1·0	−0·6	12	1015
5. ENGLAND, S.E.	56	4	76·3	72·0	74·2	— 3·0	29	— 42	356	+ 180	15	— 8	1·59	41	— 36	1·8	0·0	22	1014
Western.																			
6. SCOTLAND, WEST ...	54	16	77·3	72·9	75·2	— 1·9	22	— 34	275	+ 105	16	−13	2·97	76	— 79	1·4	+0·1	18	1017
7. ENGLAND, N.W.	58	9	76·6	72·3	74·5	— 2·7	27	— 31	334	+ 167	17	— 8	2·61	67	— 36	1·5	0·0	19	1016
8. ENGLAND, S.W.	53	4	76·6	72·3	74·5	— 3·5	32	— 60	339	+ 206	14	−12	1·83	47	— 75	2·4	+0·6	29	1015
9. IRELAND, NORTH ...	55	7	77·7	73·2	75·5	— 2·3	30	— 48	264	+ 120	20	−10	2·48	63	— 56	1·6	+0·1	19	1016
10. IRELAND, SOUTH ...	59	9	77·9	73·0	75·5	— 3·1	45	— 73	282	+ 169	18	−11	2·19	56	— 75	2·1	+0·3	25	1017
11. ENGLISH CHANNEL ...	53	22	78·3	75·0	76·7	— 2·9	62	— 82	199	+ 147	20	— 9	2·43	62	— 39	2·3	+0·1	26	1015
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	m b

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics.
South Kensington, S.W., February 15th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 7.

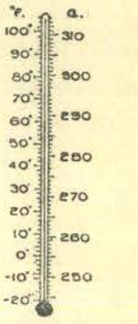
THE SEVENTH WEEK OF 1917.

SUNDAY, FEBRUARY 11TH, TO SATURDAY, FEBRUARY 17TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

A well-defined area of high barometric pressure moved very slowly eastward across the British Isles between the 11th and the 15th, and on the remaining two days a shallow depression moved northward beyond the western coasts. Feeble breezes from various quarters prevailed over the country generally. From the first there was a marked relaxation of the cold previously experienced, and towards the close of the period a thaw was spreading to all districts. There was hardly any change in the temperature of the inshore sea water. The mean air temperature was still under the normal in every region, but the deficiency was reduced to 1½ a. in Scotland North, and 3½ a. in England South-West. On the 11th at a few stations, mainly in the North of England, the thermometer was never above the freezing point all day, but on the other hand on the 17th at some places in the South of England and of Ireland it rose to between 283 a. and 285 a. Night minima below 266 a. were uncommon, but West Linton touched 258½ a. on the 13th, and Balmoral 259½ a. on the 16th, both exceptional. As a whole the period was of a very dry character but a little snow fell locally at the commencement, and light rain or sleet on the 16th and 17th. The aggregate precipitation for the entire week was less than 10 mm. at nearly all stations. Scotland, with from 10 to 15 per cent. of the normal, was both relatively and absolutely the driest area. The Eastern and Southern districts of England had less than the normal duration of sunshine, other regions an excess, the Midland Counties, with ¾ hour per day, returning a loss of more than 1½ hour per day, while Scotland North, with 3½ hours, and Scotland East, with over 4 hours, had a gain of nearly 1½ hour. With the change to more humid conditions on the 16th mist or fog, thick and wet in places, became extensively prevalent. Auroras were witnessed at Fort William on the 14th, and at numerous places in Britain and Ireland on the 15th.



II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	5	3·3	3	0·8	2	1·1	1	2·2	1	3·3	4	3·2	4	3·1	3	2·1
North	2	5·0	2	2·1	3	2·4	6	1·5	6	2·3	1	1·2	2	1·9	3	1·8
West	4	2·7	3	2·8	2	0·8	1	0·8	0	—	1	3·5	1	3·7	1	3·2
East	3	5·1	4	1·1	4	3·5	6	3·7	7	3·9	5	8·6	5	4·6	6	4·2
Calm	0	—	0	—	0	—	0	—	0	—	0	—	0	—	¼	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light
	Sunshine ...	Very abundant	Abundant	Scanty	Scanty	Very scanty	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 11 weeks from Dec. 3rd, 1916.	Warmth ...	2, 2, 7	1, 1, 9	1, 1, 9	1, 3, 7	1, 2, 8	1, 2, 8	2, 1, 8	1, 2, 8	1, 1, 9	2, 2, 7	1, 1, 9	1, 1, 9
	Rainfall ...	2, 2, 7	4, 3, 4	4, 2, 5	3, 5, 3	2, 3, 6	3, 2, 6	3, 1, 7	4, 1, 6	3, 1, 7	2, 3, 6	0, 5, 6	3, 3, 5
	Sunshine ...	2, 3, 1	3, 4, 4	3, 2, 6	1, 2, 8	2, 2, 7	1, 5, 5	6, 3, 2	5, 5, 1	5, 5, 1	5, 4, 2	4, 6, 1	2, 5, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of ⅝° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(10383—19.) Wt. 79a—736. 450. 2/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F	°F.	°F.	°F	in	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands .. a Lerwick ..	54	45	13–16	32	12, 13	42·7	35·4	39·1	+ 1·1	6	0·59	15	—									
p Deerness	160	45	14th	33	13th	41·7	36·1	38·9	—	1	0·04	1	—	Deerness	2·7	+ 0·8	30	*	*	*	*	*	*
a Stornoway	51	48	14th	27	16, 17	43·9	30·6	37·3	- 1·6	3	0·12	3	- 23	Stornoway	3·8	+ 1·7	42	*	*	*	*	*	*
a Castlebay, Barra Isd.	37	45	13, 14	34	13th	43·6	37·9	40·8	- 0·2	4	0·28	7	—	Castlebay	3·8	—	42	*	*	*	*	*	*
b, Mainland. a Wick	81	42	13th	25	15th	40·4	30·7	35·6	- 1·9	1	0·08	2	- 12									
p Strathpeffer	200	44	14th	22	16th	40·9	27·4	34·2	- 3·0	0	0·00	0	- 17									
p Glencarron	500	44	14th	24	13, 15	39·3	27·1	33·2	- 3·3	1	0·06	2	- 43									
p Fort Augustus	68	46	14th	19	13, 16	41·4	25·4	33·4	- 4·8	1	0·02	0·4	- 26	Fort Augustus	4·0	+ 2·6	44	*	*	*	*	*	*
p Fort William	171	43	17th	21	13th	40·4	26·7	33·6	- 5·5	2	0·02	1	- 45									
1. SCOTLAND, E.																						
a Nairn	82	43	14th	21	16th	38·7	27·6	33·2	- 4·2	1	0·04	1	- 10	Crathes	4·3	—	47	6	15	33·3	-2·0	36·9	-0·3
p Gordon Castle	101	47	14th	23	16th	42·4	29·9	36·2	- 2·1	2	0·08	2	- 11	Nairn	3·7	—	41	*	*	*	*	*	*
a Aberdeen	46	45	14th	26	16th	41·7	30·0	35·9	- 2·0	1	0·01	0·3	- 13	Gordon Castle	3·9	—	43	*	*	*	*	*	*
a Balmoral	930	43	11, 14	8	16th	39·6	17·0	28·3	- 5·7	1	0·05	1	- 16	Aberdeen	4·8	+ 2·3	53	4	22	*	*	37·8	-0·9
a Dundee	244	44	14th	23	13th	39·7	28·1	33·9	—	1	0·03	1	—	Balmoral	*	*	*	7	5	*	*	*	*
p Crieff	432	44	13th	21	13th	40·3	26·1	33·2	- 4·7	2	0·04	1	— 20	Dundee	4·0	—	44	7	16	33·0	*	*	*
a Leith	18	41	15th	25	13th	38·4	28·3	33·4	- 5·8	2	0·24	6	- 3	Leith	*	*	*	7	15	*	*	*	*
a Edinburgh	441	41	15th	26	13th	37·9	29·0	33·5	—	2	0·21	5	—	Edinburgh	3·9	—	42	7	20	*	*	*	*
a West Linton	769	41	15th	6	13th	35·4	18·0	26·7	- 8·3	1	0·17	4	—	West Linton	3·0	—	32	7	- 3	*	*	*	*
p Marchmont	498	44	14th	19	16th	39·1	24·9	32·0	- 5·0	1	0·08	2	- 11	Marchmont	3·7	+ 1·4	40	6	17	*	*	*	*
6. a SCOTLAND, W																						
a Poltalloch	132	43	15th	—	—	41·3	—	—	—	1	0·04	1	- 22									
p Glasgow Observatory	180	40	12, 14, 15	25	13th	38·7	28·9	33·8	- 4·8	3	0·19	5	- 12	Glasgow	2·4	+ 0·9	26	7	17	*	*	*	*
p Rothesay	170	42	11, 14	28	13th	39·9	31·0	35·5	- 4·1	2	0·06	1	- 21	Rothesay	2·4	—	26	7	20	34·9	*	39·3	-2·5
a Kilmarnock	90	45	15th	21	13th	40·6	25·1	32·9	- 5·9	1	0·04	1	—	Kilmarnock	3·1	—	33	7	19	33·4	*	38·5	*
a Colmonell	170	48	15th	18	13th	41·4	23·4	32·4	- 6·0	2	0·14	4	- 19	Colmonell	*	*	*	5	16	*	*	*	*
p Cally, Gatehouse	120	42	15th	20	14th	39·0	25·7	32·4	- 6·1	2	0·07	2	- 23	Dumfries	2·6	—	28	7	16	32·0	*	36·5	*
a Dumfries	160	43	15th	22	14th	38·1	26·0	32·1	- 6·7	2	0·35	9	- 10	Eskdalemuir	3·7	—	40	7	9	*	*	*	*
a Eskdalemuir	794	37	14, 15	14	11th	34·1	19·6	26·9	—	2	0·20	5	—									
b. I. OF MAN p Douglas	277	40	13, 14, 17	29	14th	38·9	32·1	35·5	- 4·8	3	0·32	8	- 12	Douglas	3·4	+ 1·0	36	3	23	*	*	*	*
2. ENGLAND, N.E.																						
a Alnwick Castle	210	42	14, 15	20	11th	39·6	27·0	33·3	- 4·8	3	0·17	4	- 8									
a Tynemouth	71	42	15th	27	14th	39·1	29·9	34·5	- 4·4	3	0·12	3	- 6	Cockle Park	1·9	—	20	7	19	32·8	-3·6	37·0	-1·4
a North .. p Durham	336	39	12, 14, 15	19	14th	36·3	26·6	31·5	- 6·0	4	0·11	3	- 6	Durham	1·1	- 1·2	12	7	15	*	*	*	*
p Rounton	249	39	15th	20	14th	36·3	27·3	31·8	- 5·5	3	0·09	2	- 8	Rounton	*	*	*	7	16	33·0	*	*	*
a West Witton	605	38	12th	18	14th	36·1	24·3	30·2	—	4	0·22	6	—	West Witton	*	*	*	7	15	33·7	*	37·6	*
p Scarborough	100	—	—	30	11th	—	32·9	—	—	3	0·09	2	- 9	Scarborough†	0·4	—	4	*	*	*	*	40·0	*
p York	56	41	12th	25	14th	37·4	29·4	33·4	- 5·1	2	0·10	3	- 7	York	0·5	- 1·5	5	*	*	34·0	-3·6	38·9	-1·2
b, South .. a Spurn Head	26	42	13th	30	12th	38·0	31·7	34·9	- 4·0	2	0·20	5	- 3	Spurn Head	1·4	—	15	*	*	*	*	*	*
a Lincoln	58	42	13th	29	11th	38·3	32·0	35·2	- 3·2	2	0·15	4	- 6	Lincoln	*	*	*	*	*	32·3	-4·0	38·1	-1·1
a Fulbeck	180	38	13, 17	26	12th	36·4	29·1	32·8	- 5·8	3	0·20	5	- 4	Rauceby	1·4	—	15	5	26	33·4	-5·1	39·4	-2·2
3. ENGLAND, E.														Skegness	2·3	—	24	*	*	*	*	*	*
p Cromer	196	43	17th	31	16th	39·4	32·1	35·8	- 1·5	3	0·12	3	—	Cromer	2·2	—	23	*	*	*	*	*	*
p Little Massingham	280	39	17th	24	16th	37·1	28·0	32·6	- 5·4	4	0·19	5	- 6	Lit. Massingham	2·2	- 0·3	23	7	21	*	*	*	*
a Yarmouth	13	44	17th	32	15th	39·6	33·6	36·6	- 1·3	1	0·08	2	- 7	Yarmouth	2·0	—	21	3	26	34·7	-2·3	39·4	-1·7
a Norwich	93	42	17th	25	16th	39·6	30·4	35·0	- 3·0	3	0·16	4	—	Norwich	1·5	—	16	6	21	32·9	*	*	*
a Geldeston	37	45	17th	23	16th	39·9	29·0	34·5	- 4·1	4	0·11	3	- 6	Geldeston	2·0	- 0·6	21	*	*	*	*	*	*
p Cambridge	41	44	17th	25	14, 16	38·0	30·3	34·2	- 4·5	3	0·11	3	- 6	Cambridge	0·7	- 1·9	7	7	16	33·3	-5·1	38·9	-2·0
a Clacton-on-Sea	54	42	17th	31	13th	38·6	33·0	35·8	- 2·9	4	0·17	4	—	Clacton	2·0	—	21	3	26	34·6	-4·7	39·4	-3·3
a Rothamsted	424	45	17th	26	16th	38·9	29·3	33·1	- 4·9	4	0·17	4	- 7	Rothamsted	0·5	- 1·9	5	5	18	32·9	*	*	*
p Tottenham	51	49	17th	26	16th	39·7	32·0	35·9	- 3·5	1	0·18	?5	—	Tottenham	0·8	—	8	4	22	*	*	39·0	-3·2
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	38	12, 17	26	12, 14, 16	35·7	26·9	31·3	- 6·0	4	0·14	4	- 9	Harrogate	0·7	—	7	7	19	33·7	-3·9	37·2	-1·8
p Sheffield	429	40	12th	29	12, 16	37·6	30·7	34·2	—	2	0·19	5	—	Sheffield	0·9	—	6	6	22	32·3	-4·7	38·4	-1·5
p Buxton	987	39	17th	23	13th	34·9	27·0	31·0	- 4·8	1	0·10	3	- 21	Buxton	0·6	—	6	7	17	32·5	-4·0	38·1	-2·3
b, East .. a Bawtry	65	41	12, 13	23	11th	38·3	27·7	33·0	- 5·6	2	0·11	3	- 6	Worksop	0·8	- 1·2	8	7	20	32·9	*	37·5	*
a Nottingham	82	40	13th	26	14th	37·4	29·1	33·3	- 5·2	2	0·17	4	- 6	Nottingham	0·9	—	9	7	24	32·2	-4·6	35·5	-2·8
p Birmingham, Edgbsn.	535	45	17th	21	14th	38·1	28·6	33·4	- 4·9	2	0·11	3	- 8	Birmingham	0·1	—	1	7	16	33·9	-5·4	41·7	-1·2
a Raunds	203	44	17th	24	16th	38·0	27·7	32·9	- 5·5	4	0·17	4	—	Raunds	*	*	*	7	18	34·5	*	41·4	*
p Oxford	208	45	17th	24	14th	37·9	30·0	34·0	- 5·4	3	0·33	8	- 2	Oxford	1·1	- 1·2	11	6	18	*	*	*	*
c, West .. a Cheadle (N. Staffs.)	646	48	14th	23	14th	37·7	28·0	32·9	- 4·5	2	0·21	5	- 8	Cheadle	*	*	*	7	17	*	*	*	*
p Shrewsbury	191	46	17th	16	14th	39·7	27·3	33·5	- 6·0	1	0·09	2	—	Shrewsbury	*	*	*	7	14	*	*	*	*
a Hereford§	291	43	17th	21	12th	38·1	26·7	32·4	- 6·8	0	0·00	0	- 13	Malvern§	0·6	—	6	6	20	31·9	*	37·1	*
a Clifton	229	48	17th	29	11, 13–16	39·0	29·4	34·2	- 5·9	2	0·11	3	- 10	Clifton	1·9	—	20	7	24	*	*	*	*
5. ENGLAND, S.E.																						
a Marlborough	424	46	17th	28	16th	38·7	30·1	34·4	- 3·9	2	0·24	6	- 8	Worthing	3·2	—	33	5	23	33·5	-5·8	40·1	-2·4
p Salisbury (Wilton)	180	50	17th	25	16th	41·3	29·3	35·3	- 3·7	1	0·18	5	- 10	Marlborough	1·3	- 0·8	13	4	25	33·5	*	41·3	*
a Wisley, Surrey	150	49	17th	23	16th	39·7	30·7	35·2	- 4·6	3	0·10	3	—	Salisbury	*	*	*	5	21	33·1	*	*	*
a Tunbridge Wells	354	49	17th	27	16th	40·3	30·6	35·5	- 3·1	2	0·15	4	- 10	Wisley	2·1	—	22	5	13	33·3	-5·0	38·6	-2·6
a Margate	53	50	17th	30	16th	49·1	32·7	36·4	- 3·3	2	0·07	2	- 7	Tunbridge Wells	2·4	+ 0·1	25	4	20	34·1	-3·3	38·7	*
a Dungeness	21	42	17th	31	11th	38·0	34·0	36·0	- 3·6	3	0·13	3	- 7	Margate	3·4	+ 0·9	35	5	24	33·5	-5·5	38·0	-2·9
p St. Leonards	178	42	17th	31	14, 16	38·1	33·1	35·6	- 4·3	3	0·15	4	- 9	Dover	3·8	—	39	*	*	*	*	*	*
p Southampton	64	46	17th	27	16th	41·3	31·9	36·6	- 4·5	1	0·25	6	- 7	St. Leonards	3·2	+ 0·4	33	3	28	32·8	*	39·0	*
a Ventnor	59	45	17th	30	11th	40·7	33·4	37·1	- 4·7	2	0·20	5	- 8	Southampton	2·8	+ 0·2	29	4	20	*	*	*	*
LONDON. p Richmond (Kew Obs.)	18	48	17th	27	16th	39·9	32·7	36·3	- 3·2	1	0·15	4	- 6	Ventnor	2·2	- 0·6	23	*	*	*	*	*	*
a Westminster	27	45	17th	30	16th	40·2	33·2	36·7	- 2·8	2	0·18	5	- 10	Richmond	0·4	- 1·6	4	2	20	32·5	-5·6	39·4	-2·5
a Greenwich	155	51	17th	24	16th	40·1	31·0	35·6	- 3·8	3	0·19	5	- 4	Westminster	0·6	- 0·6	6	6	25	*	*	*	*
a Hampstead	450	46	17th	26	16, 17	37·5	28·9	33·2	—	2	0·18	5	—	Greenwich	1·0	- 1·0	10	3	18	*	*	*	*
a Camden Square	110	48	17th	26	16th	40·0	31·0	35·5	—	2	0·18	5	—	Hampstead	0·7	—	7	7	16	*	*	*	*
														Camden Square	0·6	—	6	5	24	*	*	*	*
7. a, ENGLAND, N.W.																						
f Aspatria (Mealsgate)	487	43	15th	21	11th	36·9	25·1	31·0	- 6·7	3	0·51	13	- 1	Aspatria	3·3	—	35	7	18	33·4	*	38·4	*
p Newton Rigg	559	42	13th	17	14th	37·6	24·6	31·1	- 5·5	2	0·31	8	- 11	Newton Rigg	3·3	+ 1·2	35	7	12	33·9	-3·6	37·7	-1·6
p Stonyhurst	377	40	14th	26	11th	37·0	28·7	32·9	- 5·3	3	0·22	6	- 14	Stonyhurst	2·6	+ 0·6	28	6	21	*	*	*	*
p Blackpool	66	42	14th	24	14th	39·3	27·6	33·5	- 5·5	3	0·11	3	- 11	Blackpool	3·2	+ 1·0	34	7	16	34·1	*	40·7	*
a Southport	37	40	12, 16, 17	22	11th	38·3	27·0	32·7	- 6·5	3	0·06	2	- 11	Southport	2·8	+ 0·5	30	6	14	30·2	-6·8	36·2	-2·9
														Hoylake	1·3	—	14	*	*	*	*	*	*
a Liverpool (Bidston)	188	43	17th	28	11th	38·3	30·3	34·3	- 5·0	3	0·09	2	- 9	Liverpool	1·7	—	18	7	23	*	*	*	*
a Hawarden Bridge	22	47	17th	28	13th	41·3	30·4	35·9	- 4·3	3	0·13	3	- 6	Manchester (City)	0·6	—	6	5	22	32·7	-4·7	39·0	-2·0
p Manchester (Whit. Pk.)	125	42	16th	24	14th	39·6	29·9	34·8	- 4·8	2	0·10	3	- 8	Whitworth Park	1·3	- 0·2	14	*	*	*	*	*	*
b. NORTH WALES.																						
p Llandudno	71	48	16, 17	26	13th	41·4	30·4	35·9	- 5·5	0	0·00	0·1	- 13	Llandudno	3·5	+ 1·1	36	*	*	*	*	*	*
a Holyhead	15	46	16th	30	11th	41·3	32·3	36·8	- 4·6	3	0·16	4	- 11	Holyhead	3·9	—	41	5	22	*	*	*	*
p Bettws-y-Coed	148	45	16th	20	11th	39·6	26·3	33·0	- 7·5	3	0·08	2	—	Bettws-y-Coed	3·0	—	31	*	*	32·4	-6·7	40·0	-2·1
p Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	*	*	*	*	*	*	*	*	*

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
8. *a*, SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	48	17th	26	11th	40·6	31·1	35·9	—	1	0·14	4	—	Aberystwyth ..	3·4	—	35	*	*	*	*	*	*
a Rhayader	757	44	17th	24	14th	37·1	27·4	32·3	—	1	0·08	2	—	Rhayader ..	1·9	—	20	6	20	*	*	*	*
a St. Ann's Head	149	44	17th	26	11th	39·4	30·3	34·9	- 7·1	2	0·08	2	- 14	St. Ann's Head ..	3·1	+ 0·5	32	*	*	*	*	*	*
p Cardiff	202	44	17th	28	14th	37·7	30·6	34·2	- 5·6	2	0·29	7	- 12	Cardiff	2·3	—	24	6	24	32·4	-7·1	38·2	-3·8
b, ENGLAND, S.W.																							
a Bath	66	49	17th	28	16th	40·6	30·3	35·5	- 4·7	2	0·06	2	- 11	Bath	*	*	*	*	*	33·4	- 6·3	38·9	-4·0
a Shaftesbury	722	48	17th	27	11, 14	38·6	28·6	33·6	- 4·8	2	0·15	4	- 10	Shaftesbury ..	*	*	*	*	*	32·3	*	37·9	*
a Arlington	613	47	17th	25	11th	38·6	29·4	34·0	- 5·3	2	0·08	2	- 22	Arlington ..	*	*	*	*	*	*	*	*	*
a Newquay	190	50	17th	25	11th	41·1	31·6	36·4	- 6·9	1	0·02	1	- 15	Newquay ..	3·3	+ 0·5	34	*	*	35·4	*	41·2	*
a Cullompton	202	47	17th	24	11th	40·1	29·4	34·8	- 5·6	2	0·08	2	- 15	Cullompton ..	2·1	- 0·3	22	7	16	34·1	*	*	*
a Portland Bill	19	44	17th	29	11th	39·3	33·1	36·2	- 5·4	2	0·39	10	—	Weymouth ..	2·4	—	24	*	*	*	*	*	*
p Plymouth	116	49	17th	31	11th	40·4	34·4	37·4	- 4·7	2	0·21	5	- 12	Plymouth ..	1·7	- 1·0	17	*	*	33·3	- 8·1	40·3	*
a Falmouth	167	53	17th	27	12th	42·1	33·6	37·9	- 5·2	2	0·11	3	- 19	Falmouth ..	0·9	- 2·0	9	2	24	36·1	*	41·0	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	44	14, 17	31	14th	42·1	34·0	38·1	- 2·7	1	0·12	3	- 11	Malin Head ..	4·7	—	51	*	*	*	*	*	*
a Blacksod Point ..	327	46	17th	29	14th	40·6	31·0	35·5	- 7·1	3	0·24	6	- 17	Markree Castle	2·9	+ 0·7	31	6	17	35·2	*	40·6	*
p Markree Castle ..	122	43	15th	18	14, 15	41·1	26·0	33·6	- 6·4	3	0·24	6	- 13										
b, East .. { *p* Armagh	196	46	17th	22	13, 14	41·4	29·0	35·2	- 4·6	4	0·19	5	- 8	Armagh	2·7	—	29	6	15	35·6	- 4·6	40·2	- 2·4
a Donaghadee	101	44	13th	34	11-15	41·9	34·4	38·2	- 2·4	4	0·14	4	- 10										
10. IRELAND, S.																							
p Dublin, City	47	52	17th	32	12, 14	42·4	34·3	38·4	- 3·8	3	0·04	1	- 12	Trinity Coll. ..	*	*	*	4	26	36·5	- 4·7	40·1	- 3·1
a Birr Castle	175	46	17th	27	14, 15	40·8	29·6	35·0	- 5·3	3	0·12	3	- 10	Phœnix Park ..	3·1	+ 0·6	32	5	21	*	*	*	*
a Kilkenny	212	45	15, 17	29	12-14	40·7	31·3	36·0	- 4·9	2	0·06	2	- 14	Dublin City ..	*	*	*	5	27	*	*	*	*
a Waterford	20	48	17th	30	11, 12	42·4	32·4	37·4	- 4·1	4	0·26	7	- 14	Birr Castle ..	3·3	+ 1·0	34	6	18	*	*	*	*
a Seskin, Carrick-on-Suir	541	45	17th	28	14th	38·0	31·1	34·6	—	4	0·41	11	—	Seskin	2·1	—	22	6	24	*	*	*	*
a Cahir	199	48	17th	27	11th	41·0	30·7	35·9	- 5·5	3	0·20	5	—										
a Foynes	50	49	17th	27	15th	39·7	31·4	35·6	- 6·9	3	0·13	3	- 16										
a Cahirciveen (Val. Obs.)	30	51	16th	28	11th	43·7	35·6	39·4	- 4·9	3	0·70	18	- 13	Cahirciveen ..	3·8	+ 1·3	40	3	28	*	*	*	*
a Killarney	174	53	17th	25	11th	43·0	33·1	38·1	- 4·5	4	0·44	11	- 20	Ballinacurra ..	1·3	—	13	*	*	*	*	*	*
a Roche's Point	32	51	17th	30	11th	42·4	35·3	38·9	- 4·5	4	0·39	10	- 13										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	17th	33	11th	44·0	37·3	40·7	- 4·5	2	0·24	6	- 11	Scilly	1·5	- 1·5	15	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	46	17th	25	12th	40·7	31·0	35·9	- 6·8	1	0·12	3	- 11	St. Heliers ..	3·8	+ 0·6	38	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	50	17th	33	11, 12	43·1	35·7	39·4	- 4·0	2	0·16	4	- 13	Guernsey† ..	2·9	- 0·1	29	*	*	*	*	*	*

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 17th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.		Date.	
1. SCOTLAND, E.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
Dyce	305	75	15*	—	—	—	—	—	76	61	31	—	5	12	5	13	12	1	45
Aberdeen	153	105	52	—	—	—	—	2	133	33	0	NW. by W.	6	11	21	12	11	20	45
Edinburgh	485	39	31	—	—	—	—	2	118	48	0	N.	6	12	14	10	12	11	50
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	12	5	14	76	73	0	NNE	13	12	7	19	12	7	25
Paisley	188	81	52	—	—	—	—	1	70	97	0	NE. by E.	6	12	14	13	12	12	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	8	61	99	0	—	7	12	8	14	12	6	10
South Shields	72	61	12	—	—	—	—	17	93	56	2	NE.	10	12	6	15	12	13	5
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	9	93	42	24	—	7	15	20	9	15	9	35
Shoeburyness	103	90	‡	—	—	—	—	66	101	1	0	E. by S.	10	15	11	14	15	2	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	30	69	69	0	E. by N.	9	15	11	15	15	11	45
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	21	115	32	0	—	7	14	11	14	14	16	15
Brighton	261	53	6	—	—	—	—	70	48	14	36	—	9	15	18	16	15	18	10
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	57	89	22	0	E.	11	15	11	16	15	13	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	10	60	98	0	ESE.	8	15	11	13	15	10	45
Southport	80	62	48	—	—	—	—	41	125	2	0	E.	8	15	11	12	15	0	20
Holyhead	60	40	‡	—	—	12, 14, 15	14	72	68	14	0	ENE.	13	15	9	16	15	8	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	13 to 15	33	12 to 16	46	24	43	22	0	E.	21	14	18	26	14	20	5
Plymouth	185	88	‡	—	—	15	5	66	67	30	0	—	13	15	12	24	15	13	35
Lyme Regis	556	61	‡	—	—	—	—	65	43	60	0	—	10	13	3	14	12	22	40
10. IRELAND, S.																			
Cahirciveen (Val. Obs.)	98	41	‡	—	—	15	1	55	98	14	0	SE.	12	15	20	16	15	19	50
Quilty	100	40	‡	—	—	15, 16	2	74	72	20	0	—	12	15	13	16	15	12	55
Weaver Pt.	160	30	‡	—	—	15	5	70	59	8	26	—	11	5	8	16	15	5	15
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	13 to 15	54	38	54	22	0	—	15	14	20	23	14	19	55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, is given in the Guide to the Tables of the Weekly Weather Report.

SEVENTH WEEK of 1917—February 11th to February 17th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L
			Means of				Accumulated Number of Day-Degrees.												
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	48	19	78·2	71·3	74·8	— 1·5	0	— 8	48	+ 10	2	— 3	0·13	3	— 28	3·5	+1·4	39	1021
Eastern.																			
1. SCOTLAND, EAST ...	47	6	77·2	69·2	73·2	— 2·9	0	— 9	67	+ 23	1	— 3	0·09	2	— 12	4·1	+1·4	45	1021
2. ENGLAND, N.E.	42	19	76·2	71·4	73·8	— 3·0	0	— 11	60	+ 27	3	— 1	0·14	3	— 6	1·3	−1·4	14	1021
3. ENGLAND, EAST ...	49	23	76·8	72·4	74·6	— 2·1	0	— 13	50	+ 14	3	— 1	0·14	4	— 7	1·6	−1·1	16	1020
4. MIDLAND COUNTIES ...	48	16	76·3	70·8	73·6	— 3·2	0	— 14	62	+ 25	2	— 2	0·14	4	— 8	0·8	−1·6	8	1020
5. ENGLAND, S.E.	50	23	77·3	72·9	75·1	— 2·5	0	— 15	43	+ 15	2	— 2	0·16	4	— 10	2·5	−0·3	26	1019
Western.																			
6. SCOTLAND, WEST ...	48	18	77·2	70·5	73·8	— 3·3	0	— 11	60	+ 29	2	— 3	0·15	4	— 23	2·9	+0·7	31	1022
7. ENGLAND, N.W.	48	17	77·0	71·1	74·1	— 3·2	0	— 12	57	+ 29	3	— 1	0·17	4	— 11	2·9	+0·4	30	1020
8. ENGLAND, S.W.	53	24	77·1	72·3	74·7	— 3·5	0	— 18	48	+ 25	2	— 2	0·15	4	— 16	2·2	−0·5	22	1018
9. IRELAND, NORTH ...	46	18	78·1	72·3	75·2	— 2·5	0	— 16	43	+ 18	3	— 2	0·18	5	— 12	2·8	+0·4	30	1019
10. IRELAND, SOUTH ...	53	25	78·4	73·3	75·9	— 2·7	0	— 22	34	+ 15	3	— 1	0·26	7	— 14	2·9	+0·3	30	1018
11. ENGLISH CHANNEL ...	51	25	78·9	74·5	76·7	— 3·1	2	— 23	26	+ 17	2	— 3	0·17	4	— 15	2·7	+0·4	28	1016

THE SEASON (Winter).—Aggregates, &c., for the Period of 11 Weeks, December 3rd, 1916, to February 17th, 1917.

0. SCOTLAND, NORTH ...	53	10	77·7	73·2	75·5	— 1·0	16	— 64	456	+ 82	50	— 7	9·83	249	−112	1·0	0·0	14	1010
Eastern.																			
1. SCOTLAND, EAST ...	54	2	76·9	71·7	74·4	— 1·6	14	— 64	608	+158	44	— 1	6·31	161	— 6	1·5	0·0	20	1010
2. ENGLAND, N.E.	58	5	76·8	72·4	74·7	— 2·0	31	— 64	573	+207	46	+ 6	6·27	159	+ 39	1·2	−0·4	15	1010
3. ENGLAND, EAST ...	58	5	76·9	72·3	74·7	— 1·8	35	— 68	579	+177	44	0	5·06	130	+ 13	1·1	−0·7	14	1010
4. MIDLAND COUNTIES ...	58	4	76·4	71·3	73·9	— 2·6	34	— 80	685	+272	37	— 6	4·66	120	— 19	0·9	−0·6	12	1011
5. ENGLAND, S.E.	56	4	77·2	72·5	75·0	— 2·5	41	−108	550	+245	34	— 9	5·50	140	— 9	1·6	−0·2	20	1010
Western.																			
6. SCOTLAND WEST ...	54	16	77·7	73·1	75·5	— 1·8	44	— 71	470	+173	40	−13	7·71	197	−108	1·5	+0·2	20	1011
7. ENGLAND, N.W.	58	9	77·2	72·4	74·9	— 2·5	39	— 80	554	+260	39	— 7	5·65	144	— 51	1·5	+0·1	19	1011
8. ENGLAND, S.W.	59	4	77·5	72·7	75·2	— 3·1	52	−138	528	+302	34	−14	6·29	160	— 85	2·3	+0·5	28	1011
9. IRELAND, NORTH ...	55	7	78·2	73·4	75·9	— 2·0	60	— 89	436	+180	44	−11	6·10	155	— 68	1·8	+0·3	23	1010
10. IRELAND, SOUTH ...	59	9	78·4	73·1	75·8	— 3·0	81	−150	466	+268	43	— 9	5·78	148	−109	2·1	+0·3	25	1012
11. ENGLISH CHANNEL ...	55	22	79·5	75·7	77·7	— 2·4	144	−154	261	+181	45	— 9	7·44	188	— 22	2·3	+0·1	27	1011

THE YEAR 1917.—Aggregates, &c., for the Period of 7 Weeks, December 31st, 1916, to February 17th, 1917.

0. SCOTLAND, NORTH ...	53	10	77·3	72·7	75·1	— 1·2	6	— 40	323	+ 71	28	— 8	5·19	132	— 95	1·3	+0·2	17	1017
Eastern.																			
1. SCOTLAND, EAST ...	54	2	76·5	71·4	74·0	— 1·2	9	— 39	414	+ 120	25	— 3	2·98	77	— 24	1·7	0·0	22	1017
2. ENGLAND, N.E.	58	5	76·4	72·1	74·3	— 1·9	25	— 35	400	+ 159	27	+ 1	3·26	83	+ 14	1·2	−0·6	14	1016
3. ENGLAND, EAST ...	58	5	76·2	71·9	74·1	— 2·3	26	— 38	418	+ 159	26	— 2	2·32	60	— 12	1·3	−0·7	15	1015
4. MIDLAND COUNTIES ...	58	4	75·9	71·1	73·6	— 2·9	25	— 47	464	+ 198	21	— 7	2·16	56	— 29	1·0	−0·7	11	1016
5. ENGLAND, S.E.	56	4	76·5	72·1	74·3	— 3·0	29	— 57	399	+ 195	17	−10	1·75	45	— 46	1·9	0·0	22	1015
Western.																			
6. SCOTLAND, WEST ...	54	16	77·3	72·6	75·0	— 2·1	22	— 45	335	+ 134	18	−16	3·12	80	−102	1·6	+0·1	20	1017
7. ENGLAND, N.W.	58	9	76·6	72·1	74·4	— 2·8	27	— 43	391	+ 196	20	— 9	2·78	71	— 47	1·7	+0·1	21	1016
8. ENGLAND, S.W.	53	4	76·7	72·3	74·5	— 3·6	32	— 78	387	+ 231	16	−14	1·98	51	— 91	2·4	+0·5	28	1016
9. IRELAND, NORTH ...	55	7	77·7	73·1	75·5	— 2·3	30	— 64	307	+ 138	23	−12	2·66	68	— 68	1·7	+0·1	21	1016
10. IRELAND, SOUTH ...	59	9	78·0	73·0	75·6	— 3·0	45	— 95	316	+ 184	21	−12	2·45	63	— 89	2·2	+0·3	26	1017
11. ENGLISH CHANNEL ...	53	22	78·4	74·9	76·7	— 3·1	64	−105	225	+ 164	22	−12	2·60	66	— 54	2·3	−0·1	26	1015
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W., February 22nd, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* No. 8.

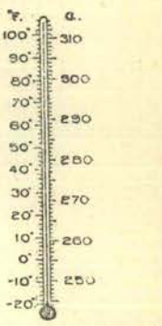
THE EIGHTH WEEK OF 1917.

SUNDAY, FEBRUARY 18TH, TO SATURDAY, FEBRUARY 24TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The fluctuations of pressure during the week were small and there were no gales and but few strong winds. The spell of cold weather which had lasted without break since the second week of the year terminated rather abruptly and the mean temperature rose to about the normal or a little above it. In the temperature table published on the last page of this report for the last six weeks there has been no case of a positive deviation from normal temperature in any of the twelve districts. This week's positive and negative signs are almost equally distributed. In the isolated case of Killarney maximum temperature reached 286·5 a. on the 20th. In all other districts the highest value recorded was close to 283 a., the date of occurrence being variable. No outstanding low minima were reported, and at many stations temperature did not fall below the freezing point. There was also a rise in sea temperature though it remained below the normal. At Plymouth the mean for the week was 278 a., 2·6 a. below normal for the time of year. Rainfall was light in the North of Scotland where the fall amounted to only 6 mm. Over nearly all other parts of the country it was in excess, particularly in the Channel Islands where 36 mm. (nearly three times the normal amount) fell. Falls of over 25 mm. within 24 hours were very few, the most noteworthy being 33 mm. at Douglas (Isle of Man), 31 mm. at Cahirciveen, and 30 mm. at Armagh all on the 19th, and 30 mm. at Tenby on the following day. Sunshine was deficient everywhere, the only Districts with more than 1·0 hr. per day being Ireland North and South. Over the whole of the East and South-East of England the period was practically sunless. Much mist and fog prevailed over Great Britain throughout the week.



II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	6	5·3	5	2·3	5	2·6	5	1·9	4	3·5	3	3·9	4	3·6	3	4·9
North	1	2·2	2	0·9	1	2·5	2	2·1	2	2·6	4	4·0	3	2·0	3	2·5
West	2	3·7	1	2·2	3	1·7	4	0·8	5	1·6	5	3·3	4	4·0	3	2·3
East	5	4·3	5	1·7	4	2·8	2	0·6	2	2·3	1	2·2	3	1·4	4	2·0
Calm	0	—	0	—	0	—	¼	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Moderate	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Heavy	Heavy	Very heavy
	Sunshine ...	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Scanty	Very scanty

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 12 weeks from Dec. 3rd, 1916.	Warmth ...	2, 3, 7	1, 2, 9	1, 2, 9	1, 4, 7	1, 3, 8	1, 3, 8	2, 2, 8	1, 3, 8	1, 2, 9	2, 3, 7	1, 2, 9	1, 2, 9
	Rainfall ...	2, 2, 8	4, 4, 4	5, 2, 5	4, 5, 3	3, 3, 6	3, 3, 6	3, 2, 7	5, 1, 6	4, 1, 7	3, 3, 6	1, 5, 6	4, 3, 5
	Sunshine ...	2, 8, 2	3, 4, 5	3, 2, 7	1, 2, 9	2, 2, 8	1, 5, 6	6, 3, 3	5, 5, 2	5, 5, 2	5, 4, 3	4, 6, 2	2, 5, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10533—19.) Wt. 79a—736. 450. 3/17. D & S. G. 17/ 36.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a, Islands.. a Lerwick	54	46	23rd	38	21st	42·4	39·4	40·9	+ 2·8	7	0·19	5	− 12										
a, Islands.. p Deerness	160	46	23rd	37	24th	42·0	38·7	40·7	—	4	0·20	5	− 11	Deerness	0·1	− 2·2	1	•	•	•	•	•	•
a, Islands.. a Stornoway	51	48	22nd	35	18th	45·7	37·7	41·7	+ 2·6	5	0·17	4	− 19	Stornoway	1·2	− 1·3	12	•	•	•	•	•	•
a, Islands.. a Castlebay, Barra Isd.	37	48	22nd	40	18, 24	45·7	41·6	43·7	+ 2·6	6	0·69	17	—	Castlebay	1·3	—	13	•	•	•	•	•	•
b, Mainland.. a Wick	81	47	23rd	29	19th	43·0	37·0	40 0	+ 1·8	5	0·11	3	− 9										
b, Mainland.. p Strathpeffer	200	50	23rd	30	20th	44·6	34·6	39·6	+ 1·8	3	0·23	6	− 8										
b, Mainland.. p Glencarron	500	47	19th	32	19, 20, 24	43·0	33·7	38·4	+ 1·2	3	0·38	10	− 31	Fort Augustus..	0·9	− 1 0	9	•	•	•	•	•	•
b, Mainland.. p Fort Augustus..	68	49	19th	33	18, 19	45·4	36·4	40·9	+ 2·9	4	0·26	7	− 14										
b, Mainland.. p Fort William	171	48	23rd	35	19th	44·3	37·3	40·8	+ 1·7	5	0·40	10	− 25										
1. SCOTLAND, E.																							
a Nairn	82	50	23rd	26	18th	44·0	32·1	38·1	+ 0·3	4	0·26	7	− 4	Nairn	1·1	—	11	•	•	•	•	•	•
p Gordon Castle..	101	50	23, 24	33	18th	44·6	35·4	40·0	+ 1·2	3	0·20	5	− 7	Gordon Castle..	1·3	—	13	•	•	•	•	•	•
a Aberdeen	46	50	23rd	36	24th	42·6	38·3	40·5	+ 2·0	4	0 64	16	+ 3	Aberdeen	0·7	− 2·2	7	1	30	•	•	37·7	-1·2
a Balmoral	930	45	23rd	27	18th	39·6	30·6	35·1	+ 0·5	2	0·29	7	− 9	Balmoral	•	•	•	4	24	•	•	•	•
p Crieff	432	46	23rd	30	20th	40·7	33·1	36·9	− 1·4	6	0·64	16	− 4	Crathes	1·1	− 1·8	11	1	25	33·3	-2·7	36·1	-1·2
a Dundee	244	46	23rd	32	20th	41·4	34·6	38·0	—	4	1·20	30	+ 19	Dundee	0·1	—	1	3	28	33·9	•	•	•
a Leith	18	49	23rd	31	18th	42·9	35·7	39·3	− 0·4	3	0·35	9	0	Leith	•	•	•	3	26	•	•	•	•
a Edinburgh	441	48	23rd	32	19, 20	41·6	35·0	38·3	—	4	0·30	8	—	Edinburgh	0·4	− 2·6	4	1	28	•	•	•	•
a West Linton	769	44	24th	25	18th	38·9	32·4	35·7	+ 0·1	4	0·40	10	—	West Linton	0·1	—	1	1	27	•	•	•	•
p Marchmont	498	42	24th	27	19th	39·3	32·6	36·0	− 1·4	4	0·65	17	+ 4	Marchmont	0·1	− 2·5	1	2	28	•	•	•	•
6. a SCOTLAND, W.																							
a Poltalloch	132	48	23rd	—	—	43·6	—	—	—	6	0·73	19	− 4										
p Glasgow Observatory	180	46	23rd	34	20th	41·9	37·1	39·5	+ 0·2	5	0·48	12	− 4	Glasgow..	0·1	− 1·6	1	0	33	•	•	•	•
p Rothesay	170	47	23rd	36	18, 20	43·0	38·1	40·6	+ 0·5	6	1·08	27	+ 5	Rothesay	0·1	—	1	0	35	37·7	•	39·5	-2·5
a Kilmarnock	90	46	23rd	35	18, 22–24	43·3	35·9	39 6	+ 9 8	6	0·89	23	+ 6	Kilmarnock	0·0	—	0	0	32	35·4	•	38·1	•
a Colmonell	170	49	23rd	32	22nd	44·0	36·0	40·0	+ 1·9	5	0·58	15	− 6	Colmonell	•	•	•	1	28	•	•	•	•
p Cally, Gatehouse	120	44	21st	34	22nd	42·1	37·1	39·6	+ 0·6	5	0·95	24	+ 1	Dumfries	0·9	—	0	2	30	32·4	•	36·0	•
a Dumfries	160	43	24th	34	18th	41·7	36·3	39·0	− 0·1	6	0·57	14	− 3	Eskdalemuir	0·2	—	2	1	30	•	•	•	•
a Eskdalemuir	794	49	24th	30	18th	39·3	33·0	36·2	—	5	0·48	12	—										
b. I. OF MAN p Douglas	277	48	23rd	32	19th	43·4	37·3	40·4	− 0·3	6	2·01	51	+ 33	Douglas	0·7	− 2·0	7	1	28	•	•	•	•
2. ENGLAND, N.E.																							
a North.. a Alnwick Castle	210	46	23, 24	33	18th	41·6	35·1	38·4	− 0·1	5	0·98	25	+ 15										
a North.. a Tynemouth	71	45	24th	35	18th	41·1	36·4	38·8	− 0·2	3	0·55	14	+ 7	Cockle Park	0·0	− 3·0	0	1	29	35·4	-1·4	37·0	-1·8
a North.. p Durham	336	42	18, 23, 24	32	18, 20	39·9	34·1	37·0	− 1·0	6	0·67	17	+ 10	Durham	0·1	− 2·5	1	2	30	•	•	•	•
a North.. p Rounton	249	44	18th	33	18th	40·7	34·7	37·7	− 0·2	5	0·36	9	+ 1	Rounton	•	•	•	2	29	33·3	•	•	•
a North.. a West Witton	605	44	18th	29	19th	39·3	32 9	36·1	—	5	0·49	12	—	West Witton	•	•	•	3	25	33·8	•	37·9	•
a North.. p Scarborough	100	—	—	34	23, 24	—	35·3	—	—	5	0·60	15	+ 6	Scarborough†	0·0	− 2·6	0	•	•	•	•	39·5	•
a North.. p York	56	44	24th	30	19th	40·0	34·4	37·2	− 2·1	3	0·50	13	+ 5	York	0·1	− 2·1	1	•	•	34·9	-3·3	38·6	-1·6
b, South.. a Spurn Head	26	42	18, 23, 24	33	18–20, 22	39·7	34·0	36·9	− 2·3	5	0·62	16	+ 10	Spurn Head	0·3	—	3	•	•	•	•	•	•
b, South.. a Lincoln	58	46	24th	31	19th	40·3	35·1	37·7	− 1·4	3	0·45	11	+ 4	Lincoln	•	•	•	•	•	33·6	-3·3	38·0	-1·4
b, South.. a Fulbeck	180	45	24th	28	19th	40·0	33·0	36·5	− 2·5	6	0·38	10	+ 2	Rauceby	0·3	− 2·7	3	2	28	35·1	-3·8	39·0	-2·7
														Skegness	0·0	− 3·1	0	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	48	18th	29	19th	40·4	32·4	36·4	− 2·6	5	0·40	10	+ 4	Cromer	0·5	− 2·7	5	•	•	•	•	•	•
p Little Massingham	280	48	24th	27	19th	40·6	32·7	36·7	− 1·7	6	0·37	10	+ 1	Lit. Massingham	0·3	− 2·5	3	1	28	•	•	•	•
a Yarmouth	13	45	19, 24	29	19, 20	40·3	32·7	36·5	− 2·2	4	0·51	13	+ 6	Yarmouth	0·4	—	4	2	30	38·0	-0·1	40·1	-1·3
a Norwich	93	49	24th	28	19th	40·9	33·3	37·1	− 2·0	5	0·49	12	+ 4	Norwich	0·1	—	1	2	28	34·3	•	•	•
a Geldeston	37	50	24th	26	19th	41·7	31·3	36·5	− 2·8	5	0·39	10	+ 3	Geldeston	0·2	− 2·8	2	•	•	•	•	•	•
p Cambridge	41	46	23, 24	34	18, 19	42·6	35·7	39·2	− 0·1	6	0·32	8	+ 2	Cambridge	0·3	− 2·7	3	2	29	35·9	-2·8	38·7	-2·5
a Clacton-on-Sea	54	42	18, 21	34	23, 24	40·0	35·3	33·7	− 1·2	3	0·35	9	+ 3	Clacton	0·2	− 3·1	2	0	34	38·9	-1·1	40·3	-2·5
a Rothamsted	424	45	21st	34	19, 22, 23	41·6	35·5	38·5	− 0·2	5	0·48	12	+ 2	Rothamsted	0·0	− 2·8	0	1	30	35·0	•	•	•
p Tottenham	51	47	20, 21	37	18, 22	45·0	33 9	42·0	+ 2·1	5	0·56	14	—	Tottenham	0·0	—	0	0	32	•	•	39·0	-3·4
4. MIDLAND COUNTIES.																							
a North.. a Harrogate	479	41	18, 23, 24	31	18–20	38·9	32·7	35·8	− 1·7	5	0·60	15	+ 4	Harrogate	0·1	− 2·7	1	3	24	33 5	-4·5	36·9	-2·4
a North.. p Sheffield	429	49	18th	31	19th	41·9	34·9	38·4	—	6	0·41	10	—	Sheffield	1·1	− 1 5	11	2	26	33·1	-4·4	37·9	-2·1
a North.. p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	•	•	•	•	•	•	•	•	•
a Bawtry	65	47	18th	28	19th	41·4	33·0	37·2	− 1·7	5	0·42	11	+ 4	Worksop	0·4	− 2·0	4	3	23	34·2	•	37·2	•
a Nottingham	82	48	24th	29	19, 20	40·7	33·4	37·1	− 1·6	5	0 52	13	+ 5	Nottingham	0·0	− 2·4	0	3	28	32·8	-4·7	35·1	-3·6
b, East.. p Birmingham, Edgbsn.	535	46	20, 21, 24	31	18th	43·0	35·6	39·3	+ 0·7	5	0·66	17	+ 8	Birmingham	0·0	− 2·0	0	4	21	36·0	-3·8	40·9	-2·1
b, East.. a Raunds	203	46	24th	29	19th	42·3	32·9	37·6	− 0·7	5	0·41	11	+ 3	Raunds	•	•	•	2	28	35·3	•	40·5	•
b, East.. p Oxford	208	49	20th	36	18, 19, 23	44·1	37·9	41·0	+ 1·5	5	0·72	18	+ 10	Oxford	0·9	− 2·7	0	0	33	•	•	•	•
c. West.. a Cheadle (N. Staffs.)	646	43	24th	27	19th	40·0	32·7	36·4	− 1·2	5	1·04	27	+ 16	Cheadle	•	•	•	3	26	•	•	•	•
c. West.. p Shrewsbury	191	49	18–20	?30	18, 19	46·4	?34·4	40·4	+ 0·7	9	0·81	21	+ 14	Shrewsbury	•	•	•	5	29	•	•	•	•
c. West.. a Hereford§	291	—	—	—	—	—	—	—	—	—	—	—	—	Malvern§	0·4	—	4	•	•	32·1	•	36·9	•
c. West.. a Clifton	229	49	20, 21	35	18, 19	45·6	37·4	41·5	+ 1·3	5	0·90	23	+ 9	Clifton	0·1	—	1	0	32	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	50	20th	34	23rd	45·0	36·1	40·6	+ 2·1	5	0·94	24	+ 12	Worthing	0·0	− 3·6	0	0	35	37·1	-3·2	40·0	-2·7
p Salisbury (Wilton)	180	54	20th	33	18th	46·0	36·1	41·1	+ 2·0	4	1 09	28	+ 15	Marlborough	?0·0	− 2·5	0	1	30	36·9	•	41·0	•
a Wisley, Surrey	150	48	20, 21	36	19, 23	44·1	37·6	40·9	+ 1·4	5	0·34	9	0	Salisbury	•	•	•	0	33	34·6	•	•	•
a Tunbridge Wells	354	47	18, 21	35	19, 21, 24	43·1	35 9	39·5	+ 0·4	5	0·37	9	− 3	Wisley	0·3	− 2·4	3	1	29	37·5	-1·7	38·9	-2·7
a Margate	53	45	24th	32	23rd	42·1	35·3	38·7	− 1·4	3	0·24	6	− 1	Tunbridge Wells	0·3	− 2·7	3	0	33	38·7	+0·3	39·3	•
														Margate	0 1	− 2 9	1	0	31	38·8	-0·9	38 9	-2·3
a Dungeness	21	43	24th	35	23, 24	41·3	36·3	38·8	− 1·0	4	0·39	10	+ 2	Dover	0·0	—	0	•	•	•	•	•	•
p St. Leonards	178	44	21st	35	19, 23	41·6	36·3	39·0	− 1·3	6	0·48	12	+ 2	St. Leonards	0·0	− 3·4	0	0	33	35·0	•	38·5	•
p Southampton	64	49	20, 21	35	18th	45·3	38·4	41·9	+ 0·6	5	0·72	18	+ 7	Southampton	0·0	− 3·1	0	0	36	•	•	•	•
a Ventnor	59	48	20th	35	18th	44·0	38·1	41·1	− 0·9	6	0 91	23	+ 13	Ventnor	0·0	− 3 5	0	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	48	21st	37	19, 22, 23	45·5	38·3	41·9	+ 1·8	5	0·49	12	+ 4	Richmond	0 2	− 2·3	2	0	31	35·8	-3·4	39·2	-3·0
a Westminster	27	48	21st	38	19, 22, 23	45·2	38 9	42·1	+ 2·1	5	0·49	13	+ 5	Westminster	0 0	− 1·7	0	0	32	•	•	•	•
a Greenwich	155	46	20, 24	35	19th	44·1	37·7	49·9	+ 0·7	5	0·42	11	+ 1	Greenwich	0·3	− 1·9	3	2	29	•	•	•	•
a Hampstead	450	46	20th	34	18, 22, 23	42·0	35·0	38·5	—	5	0·69	18	—	Hampstead	0·0	—	0	5	30	•	•	•	•
a Camden Square	110	48	21st	?35	19th	44·6	38·3	41·5	—	5	0·58	15	+ 6	Camden Square	0·0	− 2·1	0	1	30	•	•	•	•
7. a, ENGLAND, N.W.																							
‡ Aspatria (Mealsgate)	487	43	20, 24	34	19, 22	41·7	35·6	38·7	+ 0·2	5	0·65	17	0	Aspatria	0·1	− 2 7	1	0	31	36·0	•	38·2	•
p Newton Rigg	559	41	19, 21, 24	30	19th	40·1	34·7	37·4	+ 0·2	4	0 52	13	− 4	Newton Rigg	0·2	− 2·5	2	1	30	34·0	-4·2	36·9	-2·5
p Stonyhurst	577	44	21st	28	19th	41·7	35·0	38·4	0·0	5	0·95	24	+ 5	Stonyhurst	0·2	− 2 3	2	1	28	•	•	•	•
p Blackpool	66	45	20th	30	19th	42·0	35·0	38·5	− 0·7	6	0 88	22	+ 10	Blackpool	0·0	− 3·1	0	1	30	35·7	•	40·1	•
a Southport	37	44	20, 24	29	19th	41·9	35·0	38·5	− 1·0	6	0·72	18	+ 6	Southport	0·3	− 2·7	3	1	29	32·3	-5·8	36·0	-3·6
														Hoylake	0·9	− 1·9	9	•	•	•	•	•	•
a Liverpool (Eidston)	188	46	20th	28	19th	42·7	33 9	38·3	− 1·6	4	0·87	22	+ 13	Liverpool	0·6	—	6	2	27	•	•	•	•
a Hawarden Bridge	22	49	20th	30	19th	44·4	34·7	39·6	− 1·1	4	0·93	24	+ 14	Manchester (City)	0·1	− 1·6	1	1	29	33·1	-5·1	38·7	-2·4
p Manchester (Whit. Pk.)	126	46	18, 24	28	19th	43·7	35·9	39·8	− 0·3	4	0·65	16	+ 5	Whitworth Park	0·6	− 1·1	6	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	71	50	20th	28	19th	46·3	36·0	41·2	− 0·2	5	0·76	19	+ 8	Llandudno	0·9	− 2·1	9	•	•	•	•	•	•
a Holyhead	15	48	20, 23	31	19th	45·3	37·4	41·4	+ 0·2	4	1·18	30	+ 16	Holyhead	0·8	—	8	3	22	•	•	•	•
p Bettws-y-Coed	148	50	18th	27	19th	46·9	34·6	40·8	+ 0·7	6	0·41	10	—	Bettws-y-Coed.	1·2	—	12	•	•	34·0	-5·8	40·0	-2·4
p Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	•	•	•	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	48	18th	34	18, 19	44·6	37·6	41·1	—	5	0·98	25	—	Aberystwyth ..	1·6	- 1·3	16	•	•	•	•	•	•
a Rhayader	757	48	20th	32	18th	44·6	35·0	39·8	—	6	0·85	22	—	Rhayader ..	0·2		2	1	30	•	•	•	•
a St. Ann's Head	149	47	23, 24	36	19th	45·3	39·1	42·2	+ 0·5	7	1·35	34	+ 20	St. Ann's Head	0·4	- 2·8	4	•	•	•	•	•	•
p Cardiff	202	47	21st	36	18, 19, 23	44·4	38·6	41·5	+ 1·6	6	1·16	29	+ 13	Cardiff	0·1	—	1	0	34	34·8	-5·4	38·0	-4·3
b, ENGLAND S.W.																						
a Bath	66	53	21st	34	23rd	47·1	38·3	42·7	+ 2·5	4	0·64	16	+ 5	Bath	•	•	•	•	•	35·8	-4·6	38·5	-4·6
a Shaftesbury	722	49	20th	32	18th	45·0	35·1	40·1	+ 1·5	5	0·70	18	+ 6	Shaftesbury ..	•	•	•	•	•	33·6	•	37·8	•
a Arlington	613	48	24th	33	18th	45·4	37·0	41·2	+ 1·8	5	1·54	39	+ 19	Arlington ..	•	•	•	•	•	•	•	•	•
a Newquay	190	52	20th	33	19th	47·7	38·4	43·1	—	4	0·84	21	+ 8	Newquay ..	1·0	- 2·1	10	•	•	40·5	•	41·2	•
a Cullompton	202	53	20th	35	18, 19, 22	47·7	37·7	42·7	+ 2·2	4	1·29	33	+ 19	Cullompton ..	0·3	- 2·6	3	1	29	36·9	•	•	•
a Portland Bill	19	47	21st	36	18th	44·1	39·0	41·6	- 0·2	3	0·59	15	+ 5	Weymouth ..	0·1	—	1	•	•	•	•	•	•
p Plymouth	116	52	20th	36	19th	47·9	40·7	44·3	+ 2·2	5	1·30	33	+ 18	Plymouth ..	0·6	- 2·6	6	•	•	38·3	-4·0	40·3	•
a Falmouth	167	53	20th	37	18, 19	49·4	39·4	44·4	+ 1·5	6	0·95	24	+ 5	Falmouth ..	1·0	- 2·5	10	3	29	42·1	•	41·5	•
9. IRELAND, N.																						
a, West .. { *a* Malin Head	208	49	22nd	33	19th	45·7	38·6	42·2	+ 0·9	5	1·27	32	+ 18	Malin Head ..	1·0	—	10	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	48	19, 21	34	18, 19	46·4	38·4	42·4	- 0·3	6	0·45	11	- 13	Markree Castle	1·9	- 0·6	19	2	26	39·6	•	40·3	•
{ *p* Markree Castle ..	122	49	22, 23	26	18th	47·6	36·1	41·9	+ 1·2	6	0·80	20	0										
b, East .. { *p* Armagh	196	51	18, 23	29	19th	47·6	37·7	42·7	+ 2·1	7	2·24	57	+ 44	Armagh	1·2	- 1·3	12	1	25	39·4	-1·3	40·4	-2·1
{ *a* Donaghadee	101	50	23rd	36	19th	44·6	39·1	41·9	+ 0·6	6	1·10	28	+ 15										
10. IRELAND, S.																						
p Dublin, City	47	51	23rd	33	18th	47·6	40·6	44·1	+ 1·8	6	1·47	37	+ 25	Trinity Coll. ..	•	•	•	1	21	41·1	-0·7	40·8	-2·8
a Birr Castle	175	50	22, 23	29	18, 19	47·7	34·7	41·2	+ 0·6	5	1·57	40	+ 26	Phœnix Park ..	1·1	- 1·8	11	2	19	•	•	•	•
a Kilkenny	212	51	20, 21, 23	26	18th	48·9	39·0	44·0	+ 2·9	7	1·30	33	+ 18	Dublin City ..	•	•	•	1	28	•	•	•	•
a Waterford	20	53	23rd	38	18th	49·9	42·1	46·0	+ 3·7	7	0·90	23	+ 4	Birr Castle ..	0·5	- 2·1	5	4	23	•	•	•	•
a Seskin, Carrick-on-Suir	541	52	23rd	34	18th	47·0	39·4	43·2	—	6	1·16	29	—	Seskin	0·4	—	4	1	29	•	•	•	•
a Cahir	199	51	20th	27	18th	48·9	37·6	43·3	+ 1·9	7	1·13	29	—										
a Foynes	50	51	19, 23, 24	30	18th	49·7	38·0	43·9	+ 1·5	5	1·16	29	+ 10										
a Cahirciveen (Val. Obs.)	30	52	19, 20	32	22, 23	50·3	40·6	45·5	+ 1·5	6	2·13	54	+ 23	Cahirciveen ..	1·9	- 0·9	19	1	30	•	•	•	•
a Killarney	174	57	20th	34	22nd	53·1	39·6	46·4	+ 3·5	5	1·00	25	- 6	Ballinacurra ..	2·9	- 0·2	29	•	•	•	•	•	•
a Roche's Point	32	53	23rd	38	22-24	48·9	40·4	44·7	+ 1·3	6	1·51	38	+ 17										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	51	18, 20	40	24th	49·4	43·7	46·6	+ 1·5	6	0·76	19	+ 5	Scilly	1·7	- 1·7	17	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	51	20th	35	18, 19	46·1	38·3	42·2	- 1·0	5	1·42	36	+ 23	St. Heliers ..	0·5	- 3·1	5	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	50	20th	40	18, 19, 23	47·0	41·1	44·1	+ 0·4	5	1·47	37	+ 23	Guernsey† ..	0·8	- 2·6	8	0	32	41·7	-1·4	40·9	-3·9

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 25th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.		Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	17	105	27	19	—	7	20	14	15	20	13	55
Aberdeen	153	105	52	—	—	20	6	33	112	17	0	SE.	11	20	14	16	20	10	35
Edinburgh	485	39	31	—	—	—	—	10	94	64	0	S.	9	23	4	13	23	1	50
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	17	77	74	0	SSW.	9	23	10	13	23	10	40
Paisley	188	81	52	—	—	—	—	2	73	93	0	E.	6	20	19	12	20	7	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	24	42	91	11	SSE.	9	20	10	15	20	10	25
South Shields	72	61	12	—	—	20	3	30	65	96	4	SSE.	12	20	11	16	20	11	25
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	18	103	39	8	—	9	20	11	11	20	11	5
Shoeburyness	103	90	‡	—	—	—	—	20	112	36	0	SSE.	7	20	11	8	20	11	15
4. MIDLAND COUNTIES																			
Benson	270	84	‡	—	—	—	—	19	81	68	0	SSW.	8	23	14	13	23	14	15
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	11	89	60	8	—	7	22	10	11	22	10	20
Warlingham	642	33	‡	—	—	—	—	3	115	50	0	—	6	24	10	11	24	10	25
Brighton	261	53	6	—	—	—	—	6	88	74	0	—	6	19	23	10	19	23	30
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	—	118	50	0	SW.	5	23	12	9	24	9	45
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	1	74	93	0	ESE.	6	20	11	9	20	11	10
Southport	80	62	48	—	—	—	—	45	91	0	32	SE.	9	20	6	14	20	3	20
Holyhead	60	40	‡	—	—	—	—	56	83	29	0	SE. by S.	10	19	24	14	23	10	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	20	2	59	53	54	0	SW. by W.	12	20	5	16	20	5	5
Plymouth	185	88	2	—	—	—	—	38	85	45	0	—	8	21	19	13	21	19	0
Lyme Regis	556	61	‡	—	—	—	—	—	45	123	0	—	5	20	11	9	19	7	40
10. IRELAND, S.																			
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	73	69	26	0	SSE.	10	19	3	15	19	2	35
Quilty	100	40	‡	—	—	19 to 21	9	64	74	21	0	—	12	21	5	16	21	2	35
Weaver Pt.	160	30	‡	—	—	—	—	25	105	38	0	—	9	21	11	14	21	11	25
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	21	4	45	66	53	0	NNW.	12	21	7	16	21	8	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTH WEEK of 1917—February 18th to February 24th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
			Means of				Accumulated Number of Day-Degrees.												
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	50	29	79·7	75·6	77·6	+ 1·0	6	− 1	20	− 13	5	0	0·25	6	− 18	0·7	−1·5	8	1017
Eastern.																			
1. SCOTLAND, EAST ...	50	25	78·3	74·0	76·2	+ 0·1	0	− 8	30	− 10	4	0	0·43	11	− 2	0·6	−2·1	6	1017
2. ENGLAND, N.E.	46	28	77·7	74·4	76·1	− 0·7	0	− 10	32	0	5	+ 1	0·57	14	+ 6	0·1	−2·7	1	1018
3. ENGLAND, EAST ...	50	26	78·3	74·2	76·2	− 0·7	0	− 12	29	− 5	5	+ 2	0·43	11	+ 4	0·2	−2·7	2	1019
4. MIDLAND COUNTIES ...	49	27	78·8	74·3	76·6	− 0·1	1	− 12	27	− 9	5	+ 2	0·68	17	+ 8	0·2	−2·4	2	1019
5. ENGLAND, S.E.	54	32	79·6	75·7	77·7	+ 0·2	5	− 9	20	− 8	5	+ 2	0·60	15	+ 5	0·1	−2·9	1	1020
Western.																			
6. SCOTLAND, WEST ...	49	32	79·0	75·7	77·3	+ 0·1	2	− 7	19	− 10	6	+ 2	0·91	23	+ 1	0·4	−1·8	4	1018
7. ENGLAND, N.W.	50	27	79·4	74·8	77·1	− 0·2	4	− 6	25	− 3	5	+ 1	0·77	20	+ 6	0·5	−2·2	6	1017
8. ENGLAND, S.W.	53	32	80·8	76·3	78·6	+ 0·7	18	+ 2	11	− 12	5	+ 1	1·04	26	+ 11	0·6	−2·5	6	1018
9. IRELAND, NORTH ...	51	26	81·1	76·0	78·6	+ 0·5	20	+ 6	13	− 11	6	+ 2	1·24	31	+ 14	1·6	−1·0	16	1016
10. IRELAND, SOUTH ...	57	26	82·7	77·0	79·8	+ 1·1	28	+ 8	8	− 12	6	+ 2	1·35	34	+ 14	1·6	−1·3	16	1017
11. ENGLISH CHANNEL ...	51	35	81·6	78·0	79·8	+ 0·1	20	− 4	3	− 6	5	+ 1	1·22	31	+ 17	1·0	−2·5	10	1019

THE SEASON (Winter).—Aggregates, &c., for the Period of 18 Weeks, December 3rd, 1916, to February 24th, 1917.

0. SCOTLAND, NORTH ...	53	10	77·9	73·4	75·7	− 0·8	22	− 65	476	+ 69	55	− 7	10·08	255	−130	1·0	−0·1	13	1010
Eastern.																			
1. SCOTLAND, EAST ...	54	2	77·0	71·9	74·5	− 1·5	14	− 72	638	+148	48	− 1	6·74	172	− 8	1·4	−0·2	19	1011
2. ENGLAND, N.E.	58	5	76·9	72·5	74·8	− 1·9	31	− 74	605	+207	51	+ 7	6·84	173	+ 45	1·1	−0·6	14	1011
3. ENGLAND, EAST ...	58	5	77·0	72·5	74·8	− 1·8	35	− 80	608	+172	49	+ 2	5·49	141	+ 17	1·1	−0·8	13	1011
4. MIDLAND COUNTIES ...	58	4	76·6	71·5	74·2	− 2·3	35	− 92	712	+263	42	− 4	5·34	137	− 11	0·9	−0·7	11	1011
5. ENGLAND, S.E.	56	4	77·4	72·8	75·2	− 2·3	46	−117	570	+237	39	− 7	6·10	155	− 4	1·5	−0·4	18	1011
Western.																			
6. SCOTLAND WEST ...	54	16	77·8	73·3	75·6	− 1·7	46	− 78	489	+163	46	−11	8·62	220	−107	1·5	+0·2	18	1012
7. ENGLAND, N.W.	58	9	77·4	72·6	75·1	− 2·3	43	− 86	579	+257	44	− 6	6·42	164	− 45	1·4	−0·1	18	1011
8. ENGLAND, S.W.	59	4	77·8	73·0	75·5	− 2·8	70	−136	539	+290	39	−13	7·33	186	− 74	2·2	+0·3	25	1011
9. IRELAND, NORTH ...	55	7	78·4	73·6	76·1	− 1·8	80	− 83	449	+169	50	− 9	7·34	186	− 54	1·8	+0·2	22	1011
10. IRELAND, SOUTH ...	59	9	78·7	73·4	76·2	− 2·7	109	−142	474	+256	49	− 7	7·13	182	− 95	2·0	+0·1	24	1012
11. ENGLISH CHANNEL ...	55	22	79·7	75·9	77·9	− 2·2	164	−158	264	+175	50	− 8	8·66	219	− 5	2·2	−0·1	25	1011

THE YEAR 1917.—Aggregates, &c., for the Period of 8 Weeks, December 31st, 1916, to February 24th, 1917.

0. SCOTLAND, NORTH ...	53	10	77·6	73·1	75·4	− 1·0	12	− 41	343	+ 58	33	− 8	5·44	138	−113	1·2	−0·1	16	1017
Eastern.																			
1. SCOTLAND, EAST ...	54	2	76·8	71·8	74·3	− 1·6	9	− 47	444	+ 110	29	− 3	3·41	88	− 26	1·6	−0·2	20	1017
2. ENGLAND, N.E.	58	5	76·5	72·4	74·5	− 2·1	25	− 45	432	+ 159	32	+ 2	3·83	97	+ 20	1·1	−0·8	12	1016
3. ENGLAND, EAST ...	58	5	76·4	72·2	74·4	− 2·1	26	− 50	447	+ 154	31	0	2·75	71	− 8	1·1	−1·0	13	1016
4. MIDLAND COUNTIES ...	58	4	76·3	71·5	74·0	− 2·5	26	− 59	491	+ 189	26	− 5	2·84	73	− 21	0·9	−0·9	10	1016
5. ENGLAND, S.E.	56	4	76·9	72·6	74·8	− 2·5	34	− 66	419	+ 187	22	− 8	2·35	60	− 41	1·7	−0·4	19	1015
Western.																			
6. SCOTLAND, WEST ...	54	16	77·5	73·0	75·3	− 1·8	24	− 52	354	+ 124	24	−14	4·03	103	−101	1·5	−0·1	18	1018
7. ENGLAND, N.W.	58	9	77·0	72·4	74·8	− 2·4	31	− 49	416	+ 193	25	− 8	3·55	91	− 41	1·6	−0·2	19	1017
8. ENGLAND, S.W.	53	4	77·2	72·8	75·1	− 2·9	50	− 76	398	+ 219	21	−13	3·02	77	− 80	2·2	+0·1	25	1016
9. IRELAND, NORTH ...	55	7	78·2	73·4	75·9	− 1·9	50	− 58	320	+ 127	29	−10	3·90	99	− 54	1·7	−0·1	20	1016
10. IRELAND, SOUTH ...	59	9	78·6	73·5	76·1	− 2·5	73	− 87	324	+ 172	27	−10	3·80	97	− 75	2·1	+0·1	25	1017
11. ENGLISH CHANNEL ...	53	22	78·8	75·3	77·1	− 2·7	84	−109	228	+ 158	27	−11	3·82	97	− 37	2·2	−0·3	24	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W., March 1st, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 9.

THE NINTH WEEK OF 1917.

SUNDAY, FEBRUARY 25TH, TO SATURDAY, MARCH 3RD.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

During the earlier part of the week the pressure distribution favoured light or moderate winds from between North-West and South-West. After a few days of light, variable winds, a large anticyclone having developed over Scandinavia and Northern Russia, a decided current of wind from South and South-East set in over the British Isles.

Over Ireland and Scotland temperature exceeded the normal, the greatest deviation being 2·0 a. in Scotland North, but in many English districts it was almost identical with the normal. In the English Channel and Ireland South the mean temperature was 279·6 a. and in Scotland North 278·4 a., but in the coldest district, England East, it was only 277·1 a. The highest readings were generally registered early in the week, when about 283·5 a. was rather common, but the highest maximum value of all, 285 a., occurred at Killarney on Thursday. At most stations the minimum was recorded late in the week, the lowest readings being 267·5 a. at Balmoral and 268 a. at Edinburgh. At a considerable number of coast stations and at a few inland the thermometer remained above 273 a. throughout the week. At the stations reporting Sea Water temperature the mean was in every case rather higher than that of the preceding week, but at only one station, Burnmouth near Berwick, was it above the normal. At Eastbourne and Plymouth it was 1·8 a. below.

Rain fell on most days in Ireland and also in Scotland West, but even in those districts the aggregate was less than the normal. Elsewhere the greater part of the week was dry, and the total precipitation light. At a few individual stations the week was rainless. Quite at the end of the period the rain in the South of Ireland was heavy, 23 mm. being measured at Cahir and 28 mm. at Seskin. Bright sunshine was below the normal except in Scotland North and East. In England South-West the mean duration was just over 1 hour a day as compared with a normal 3 hours. On the other hand in Scotland East with a normal 2·8 hours, the duration was 3·6 hours a day.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	5	6·7	6	3·2	2	2·0	2	1·6	4	3·8	3	5·7	5	3·8	4	4·8
North	2	3·0	1	1·3	5	1·9	5	1·3	3	1·5	4	2·8	2	1·8	2	1·4
West	6	4·8	5	4·9	5	1·9	4	2·0	5	4·0	5	2·2	4	5·2	3	2·7
East	1	5·2	2	2·0	2	3·6	3	1·1	2	1·7	2	2·8	2	1·3	4	1·8
Calm	0	—	0	—	0	—	0	—	0	—	¼	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate
Rainfall ...	Light	Light	Very light	Light	Light	Light	Light	Light	Light	Moderate	Moderate	Light
Sunshine ...	Abundant	Abundant	Moderate	Scanty	Scanty	Scanty	Scanty	Very scanty	Very scanty	Scanty	Very scanty	Scanty

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 13 weeks from Dec. 3rd, 1916. Warmth ...	3, 3, 7	2, 2, 9	1, 3, 9	1, 5, 7	1, 4, 8	1, 4, 8	2, 3, 8	1, 4, 8	1, 3, 9	3, 3, 7	1, 3, 9	1, 3, 9
Rainfall ...	2, 2, 9	4, 4, 5	5, 2, 6	4, 5, 4	3, 3, 7	3, 3, 7	3, 2, 8	5, 1, 7	4, 1, 8	3, 4, 6	1, 6, 6	4, 3, 6
Sunshine ...	3, 8, 2	4, 4, 5	3, 3, 7	1, 2, 10	2, 2, 9	1, 5, 7	6, 3, 4	5, 5, 3	5, 5, 3	5, 4, 4	4, 6, 3	2, 5, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(10592—19.) Wt. 79a—736. 450. 3/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands..	*a* Lerwick	54	46	25, 27, 1	37	27, 1	44·1	39·3	41·7	+ 4·0	5	0·47	12	- 5									
	p Deerness	160	48	27th	36	1, 2	44·9	38·3	41·6	—	3	0·24	6	- 9	Deerness ..	3·3	+ 0·8	33	•	•	•	•	•	•
	a Stornoway	51	49	27th	37	1st	46·3	40·3	43·3	+ 4·6	7	0·37	9	- 14	Stornoway ..	2·9	+ 0·3	29	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	48	26, 27	38	26th	46·0	42·3	44·2	+ 3·2	6	0·36	9	—	Castlebay ..	2·7	—	26	•	•	•	•	•	•
b, Mainland.	*a* Wick	81	49	25th	33	1, 2	44·9	36·9	40·9	+ 2·7	4	0·16	4	- 8									
	p Strathpeffer	200	50	2nd	30	1st	46·6	34·7	40·7	+ 2·9	3	0·05	1	- 13									
	p Glencarron	500	50	2nd	34	28, 1	45·6	36·7	41·2	+ 4·2	4	0·44	11	- 29									
	p Fort Augustus.. ..	68	51	2nd	29	1st	48·0	37·3	42·7	+ 4·7	2	0·25	6	- 15	Fort Augustus..	2·6	+ 0·6	25	•	•	•	•	•	•
	p Fort William	171	48	2nd	29	1st	46·7	37·4	42·1	+ 3·1	4	0·81	21	- 16									
1. SCOTLAND, E.																							
	a Nairn	82	51	2nd	29	1, 2	47·3	34·3	40·8	+ 3·1	4	0·11	3	- 8	Nairn	3·4	—	33	•	•	•	•	•	•
	p Gordon Castle ..	101	51	27th	33	28, 1	48·1	35·9	42·0	+ 3·5	2	0·07	2	- 10	Gordon Castle..	3·6	—	35	•	•	•	•	•	•
	a Aberdeen	46	52	27th	31	1, 2	47·3	37·6	42·5	+ 4·1	2	0·06	1	- 12	Aberdeen ..	3·4	+ 0·5	33	1	25	•	•	38·7	- 0·4
	a Balmoral	930	46	27th	22	1st	43·6	31·1	37·4	+ 3·0	2	0·17	4	- 12	Balmoral ..	•	•	•	4	20	•	•	•	•
	p Crieff	432	50	26th	26	1st	45·1	32·6	38·9	+ 0·7	4	0·19	5	- 14	Crathes	3·4	+ 0·5	33	4	19	35·1	- 1·4	36·1	- 1·4
	a Dundee	244	50	28th	28	1st	46·3	33·6	40 0	—	2	0·04	1	- 10	Dundee	3·7	—	36	5	21	36·6	•	•	•
	a Leith	18	50	26th	31	2nd	47·0	36·6	41·8	+ 2·2	2	0·13	3	- 6	Leith	•	•	•	3	21	•	•	•	•
	a Edinburgh	441	48	26, 28	31	1st	45·7	35·9	40·8	—	3	0·28	7	—	Edinburgh ..	3·3	+ 0·3	32	2	24	•	•	•	•
	a West Linton	769	46	26th	25	1st	43·4	32·9	38·2	+ 2·9	2	0·10	3	—	West Linton ..	2·9	—	28	5	21	•	•	•	•
	p Marchmont	498	49	26-28, 2	26	3rd	47·4	32·6	40·0	+ 2·7	0	0·00	0	- 14	Marchmont ..	4·1	+ 1·4	39	3	25	•	•	•	•
6. *a* SCOTLAND, W.																							
	a Poltalloch	132	47	26th	—	—	43·7	—	—	—	6	0·39	10	- 12									
	p Glasgow Observatory	180	48	26th	31	1st	45·1	37·7	41·4	+ 2·1	5	0·36	9	- 6	Glasgow.. ..	2·2	+ 0·2	21	1	24	•	•	•	•
	p Rothesay	170	48	26th	32	1st	44·9	37·6	41·3	+ 1·3	6	0·43	11	- 10	Rothesay ..	2·4	—	23	1	27	40·7	•	41·3	- 0·7
	a Kilmarnock	90	49	27, 28	29	1st	45·9	37·9	41·9	+ 3·1	6	0·36	9	- 7	Kilmarnock ..	2·0	—	19	1	26	39·1	•	39·2	•
	a Colmonell	170	49	26, 28	26	1st	45·6	36·1	40·9	+ 1·6	6	0·31	8	- 12	Colmonell ..	•	•	•	1	23	•	•	•	•
	p Cally. Gatehouse ..	120	46	27th	25	1st	43·1	35·1	39·1	- 0·1	4	0·38	10	- 12	Dumfries ..	1·6	—	15	5	21	36·5	•	37·2	•
	a Dumfries	160	48	26-28	28	1st	45·0	35·1	40·1	+ 1·0	3	0·18	5	- 11	Eskdalemuir ..	2·5	—	24	3	21	•	•	•	•
	a Eskdalemuir	794	47	26th	23	2nd	42·9	31·6	37·3	—	4	0·26	7	—									
b, I. OF MAN	*p* Douglas	277	48	26th	35	1, 3	45·0	37·3	41·2	+ 0·6	5	0·20	5	- 12	Douglas	1·5	- 1·7	14	1	30	•	•	•	•
2. ENGLAND, N.E.																							
a North ..	*a* Alnwick Castle ..	210	51	27th	29	3rd	46·6	35·1	40·9	+ 2·2	1	0·07	2	- 14									
	a Tynemouth	71	49	27, 28	31	3rd	45·3	36·1	40·7	+ 1·5	1	0·04	1	- 11	Cockle Park ..	2·8	- 0·3	27	4	18	37·5	+ 0·8	38·5	- 0·5
	p Durham	336	51	26th	29	3rd	45·9	34·4	40·2	+ 1·9	0	0·00	0·1	- 12	Durham	2·7	0·0	26	5	22	•	•	•	•
	p Rounton	249	50	26th	28	3rd	46·1	32·6	39·4	+ 1·4	1	0·05	1	- 11	Rounton	•	•	•	7	20	36·2	•	•	•
	a West Witton	605	47	26, 27	28	3rd	44·3	33 9	39·1	—	1	0·01	0	—	West Witton ..	•	•	•	4	22	35·4	•	38·7	•
	p Scarborough	100	52	26th	32	1-3	48·3	34·9	39·1	- 0·8	4	0·14	4	- 9	Scarborough† ..	2·5	- 0·3	24	•	•	•	•	39·5	•
	p York	56	51	26th	33	3rd	45·6	35·6	40·6	+ 1·0	1	0·03	1	- 11	York	2·6	+ 0·2	25	•	•	37·8	- 0·5	39·8	- 1·6
b, South ..	*a* Spurn Head	26	47	26th	30	2nd	42·9	34·6	38·8	- 0·6	1	0·01	0·3	- 10	Spurn Head ..	1·4	—	13	•	•	•	•	•	•
	a Lincoln	58	?52	26th	31	3rd	?46·6	34·7	40·7	+ 1·2	0	0·00	0	- 11	Lincoln	•	•	•	•	•	37·0	- 0·1	38·1	- 1·5
	a Fulbeck	180	?50	26th	29	3rd	?45·3	33·4	39·4	0·0	1	0·02	1	- 11	Rauceby	2·8	- 0·3	26	5	21	39·0	- 0·2	39·5	- 2·3
															Skegness	2·9	- 0·4	27	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	46	26th	28	2nd	42·3	34·3	38·3	- 1·0	4	0·07	2	- 7	Cromer	2·5	- 0·6	24	•	•	•	•	•	•
	p Little Massingham ..	280	48	26th	25	2nd	45·1	32·1	38·6	+ 0·1	4	0·11	3	- 9	Lit. Massingham	2·2	- 0·5	21	5	22	•	•	•	•
	a Yarmouth	13	49	26th	27	3rd	43·9	33·0	38·5	- 0·4	2	0·08	2	- 8	Yarmouth ..	1·8	—	17	1	27	39·6	+ 0·9	41·3	- 0·5
	a Norwich	93	48	26th	28	2nd	44·1	34·4	39·3	- 0·2	4	0·08	2	- 10	Norwich ..	1·6	—	15	4	26	38·2	•	•	•
	a Geldeston	37	50	26th	26	2nd	45·1	32·1	38·6	- 1·0	2	0·04	1	- 9	Geldeston ..	1·7	- 1·2	16	•	•	•	•	•	•
	p Cambridge	41	50	26, 27	29	27th	46·9	34·9	40·9	+ 1·2	2	0·03	1	- 8	Cambridge ..	2·9	0·0	27	3	20	40·0	+ 0·8	40·1	- 1·5
	a Clacton-on-Sea ..	54	49	26th	30	3rd	43·3	34 0	38·7	- 0·4	1	0·01	0·3	- 9	Clacton	2·7	- 0·5	25	2	28	40·0	- 0·3	41·5	- 1·6
	a Rothamsted	424	48	27th	29	3rd	43·7	34·6	39·2	+ 0·2	2	0·02	1	- 12	Rothamsted ..	2·1	- 0·7	20	4	21	38·0	•	•	•
	p Tottenham	51	49	26th	32	3rd	45·7	38 3	42·0	+ 1·8	0	0·00	0	—	Tottenham ..	1·9	—	18	1	29	•	•	40·7	- 1·8
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	48	26th	29	2nd	43·9	33·0	38·5	+ 0·3	1	0·02	1	- 13	Harrogate ..	2·6	- 0·3	25	6	23	36·2	- 1·9	37·5	- 1·9
	p Sheffield	429	49	25th	31	3rd	44·6	36·3	40·5	—	1	0·01	0	—	Sheffield.. ..	1·8	- 0·7	17	2	27	35·6	- 2·0	37·9	- 2·2
	p Buxton	987	44	26th	29	3rd	41·3	33·4	37·4	+ 1·9	2	0·23	6	- 20	Buxton	0·6	—	6	4	25	34·1	- 3·1	37·4	- 2·9
b, East ..	*a* Bawtry	65	49	26th	28	2, 3	45·9	33·3	39·6	- 0·1	1	0·01	0	- 10	Worksop	2·4	0·0	23	5	19	37·7	•	38·4	•
	a Nottingham	82	50	26th	28	3rd	46·0	32·7	39·4	- 0·1	1	0·01	0·2	- 10	Nottingham ..	2·1	- 0·4	20	5	25	36·3	- 1·2	35·7	- 3·2
	p Birmingham, Edgbsn.	535	47	26th	28	3rd	44 4	35·4	39·9	+ 0·5	3	0·09	2	- 10	Birmingham ..	0·4	- 1·7	4	3	20	39·2	- 0·4	41·1	- 1·9
	a Raunds	203	50	26th	29	3rd	47·0	33·4	40·2	+ 0·9	1	0·01	0·2	- 10	Raunds	•	•	•	4	18	38·6	•	40·7	•
	p Oxford	208	50	27th	26	3rd	46·1	33·9	40·0	- 0·2	2	0·08	2	- 9	Oxford	1·9	- 0·9	18	4	22	•	•	•	•
c, West ..	*a* Cheadle (N. Staffs.) ..	646	46	26, 28	29	3rd	43·1	33·9	38·5	+ 0·2	2	0 10	3	- 12	Cheadle	•	•	•	4	25	•	•	•	•
	p Shrewsbury	191	49	28, 1	27	1st	46·9	35·0	41·0	+ 0·6	4	0·23	6	- 4	Shrewsbury ..	•	•	•	3	21	•	•	•	•
	a Hereford§	291	49	26, 28	33	1st	46·1	35·6	40·9	+ 0·8	2	0·21	5	- 7	Malverns§ ..	1·6	—	15	3	29	37·3	•	37·5	•
	a Clifton	229	49	26th	33	26th	46·6	37·0	41·8	+ 0·9	3	0·33	9	- 9	Clifton	0·8	—	8	1	30	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	50	26th	29	26, 1, 3	45·0	31·6	38·3	- 0·4	3	0·33	8	- 8	Worthing	2·6	- 1·0	24	3	28	40·1	- 0·6	41·0	- 2·0
	p Salisbury (Wilton) ..	180	50	26, 27	30	26, 27, 3	47·3	33·4	40·4	+ 1·0	2	0 15	4	- 14	Marlborough ..	1·4	- 1·1	13	5	22	40·3	•	41·8	•
	a Wisley, Surrey ..	150	50	27th	28	3rd	45·6	34·4	40·0	+ 0·3	2	0·05	1	- 11	Salisbury	•	•	•	4	23	39·9	•	•	•
	a Tunbridge Wells ..	354	49	26, 1	30	3rd	45·3	34 0	39 7	+ 0·3	1	0·07	2	- 14	Wisley	1·5	- 1·3	14	5	16	40·0	+ 0·5	40·6	- 1·3
	a Margate	53	47	25th	32	3rd	42·1	35·1	38·6	- 1·8	0	0·00	0	- 10	Tunbridge Wells	1·1	- 2·0	10	4	23	39·8	+ 1·0	40·6	•
															Margate	2 4	- 0 7	23	2	26	40·0	- 0·1	40 5	- 1·0
	a Dungeness	21	47	27th	32	27, 3	43·0	35·4	39·2	- 0·7	1	0·20	5	- 6	Dover	2·9	—	27	1	28	•	•	•	•
	p St. Leonards	178	49	26th	31	2nd	43·4	35·7	39·6	- 0·8	2	0·10	3	- 11	St. Leonards ..	2·0	- 1·4	19	2	29	39·1	•	39·4	•
	p Southampton	64	50	26, 27	31	3rd	46·4	36·0	41·2	- 0·4	3	0·35	9	- 6	Southampton ..	2·5	- 0·6	24	3	19	•	•	•	•
	a Ventnor	59	51	26, 27	32	27, 3	45·1	36·7	40·9	- 1·2	3	0 41	10	- 4	Ventnor	2·5	- 1·1	23	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	48	26, 27	32	27, 3	45·1	36 0	40·6	+ 0·2	2	0·03	1	- 10	Richmond	1 7	- 0·9	16	3	25	39·6	+ 0·1	40·5	- 2·0
	a Westminster	27	50	27th	31	27th	46·0	36 3	41·2	+ 0 7	1	0·01	0·2	- 10	Westminster ..	1 0	- 0·6	9	2	28	•	•	•	•
	a Greenwich	155	48	25, 26, 1	30	27, 3	45·7	35·3	40·5	- 0 3	1	0·01	0	- 10	Greenwich ..	1·5	- 1·0	14	3	25	•	•	•	•
	a Hampstead	450	48	27th	29	3rd	43·9	33·5	38·3	—	1	0 02	1	—	Hampstead ..	1·6	—	15	6	23	•	•	•	•
	a Camden Square ..	110	50	26, 27	32	27, 3	46·1	36·1	41·1	—	1	0·01	0	- 12	Camden Square	1·7	- 0·4	16	3	27	•	•	•	•
7. *a*, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	47	26th	29	1st	44·0	34·4	39·2	+ 0·4	4	0·19	5	- 14	Aspatria.. ..	1·7	- 1·1	16	3	25	38·5	•	39·6	•
	p Newton Rigg	55	48	26th	29	1, 3	45·3	33·9	39 6	+ 2·0	1	0 09	2	- 17	Newton Rigg ..	2·2	- 0·5	21	5	25	37·5	- 0·9	37·9	- 1·7
	p Stonyhurst	377	45	26th	30	1, 3	43·1	33·7	38·4	- 0 4	2	0·29	7	- 15	Stonyhurst ..	1·1	- 1 5	11	3	26	•	•	•	•
	p Blackpool	60	46	2nd	30	1st	43·7	35·9	39 8	+ 0·2	2	0·08	2	- 12	Blackpool ..	1·0	- 2·2	10	1	30	38·8	•	40·4	•
	a Southport	37	46	2nd	30	1st	43·4	35·6	39·5	- 0·4	2	0·17	4	- 10	Southport ..	1·0	- 2·0	10	2	22	35·9	- 2·5	36·5	- 3·6
															Hoylake	1·2	- 1·7	12	•	•	•	•	•	•
	a Liverpool (Eidston) ..	188	46	28, 1	34	3rd	44·4	37 0	40·7	+ 0·4	3	0·20	5	- 6	Liverpool	1·3	—	13	2	25	•	•	•	•
	a Hawarden Bridge ..	22	49	1st	31	1st	46·4	37·0	41·7	+ 0·7	2	0·21	5	- 6	Manchester (City)	0·6	- 1·2	6	2	29	36·5	- 1·7	38·9	- 2·5
	p Manchester (Whit. Pk.)	12	47	26th	30	1st	44·7	36·3	40·5	0·0	2	0·12	3	- 10	Whitworth Park	0·9	- 0·9	9	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	71	51	1st	37	3rd	46·1	39·0	42·6	+ 1·0	1	0·11	3	- 10	Llandudno ..	0·9	- 2·1	8	•	•	•	•	•	•
	a Holyhead	1	49	1st	38	2nd	46·4	39·9	43·2	+ 1·8	2	0 16	4	- 12	Holyhead ..	1·5	—	14	1	30	•	•	•	•
	p Bettws-y-Coed ..	1	50	1st	34	3rd	46·9	37·1	42·0	+ 1·7	3	0 11	3	—	Bettws-y-Coed.	0·6	—	6	•	•	40·1	+ 0·3	40·6	- 2·0
	p Aberdovey	22	—	—	—	—	—	—	—	—	1	0·28	7	—	Aberdovey ..	0·1	- 3·0	1	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		In.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	47	2nd	37	1st	44·0	39·0	41·5	—	3	0·41	10	—	Aberystwyth ..	0·5	- 2·4	5	•	•	•	•	•	•
a Rhayader	757	45	1st	30	1st	43·0	34·9	39·0	—	5	0·27	7	—	Rhayader ..	0·6	—	6	1	28	•	•	•	•
a St. Ann's Head	149	47	26th	40	26th	44·4	41·9	43·2	+ 1·3	4	0·41	10	- 7	St, Ann's Head	0·9	- 2·3	8	•	•	•	•	•	•
p Cardiff	202	49	28th	35	1, 3	45·9	36·7	41·3	+ 0·9	4	0·20	5	- 15	Cardiff	1·1	—	10	3	28	39·7	-0·4	39·4	-3·0
b, ENGLAND, S.W.																							
a Bath	66	51	26th	31	26th	47·9	36·0	42·0	+ 1·3	2	0·34	3	- 5	Bath	•	•	•	•	•	39·9	-0·5	39·8	-3·6
a Shaftesbury	722	47	26, 27	29	3rd	44·3	34·6	39·5	+ 0·3	2	0·22	6	- 9	Shaftesbury ..	•	•	•	•	•	39·0	•	38·8	•
a Arlington	613	45	28th	32	27th	43·0	35·9	39·5	- 0·4	4	0·54	14	- 12	Arlington ..	•	•	•	•	•	•	•	•	•
a Newquay	190	49	25, 1	30	27th	46·9	37·4	42·2	—	3	0·13	3	- 13	Newquay ..	1·5	—	14	•	•	43·6	•	42·7	•
a Cullompton	202	50	26th	28	27th	47·0	35·9	41·5	+ 0·5	3	0·25	6	- 12	Cullompton ..	1·1	- 1·8	10	2	26	41·7	•	•	•
a Portland Bill	19	47	26, 27	37	26, 28	44·3	38·1	41·2	- 0·9	3	0·09	2	- 11	Weymouth ..	2·5	—	23	•	•	•	•	•	•
p Plymouth	116	49	27th	34	27th	46·9	39·3	43·1	+ 0·6	2	0·07	2	- 17	Plymouth ..	1·1	- 2·2	10	•	•	41·8	-0·4	41·9	•
a Falmouth	167	50	27, 1	36	27, 28	48·6	38·4	43·5	+ 0·4	3	0·05	1	- 23	Falmouth ..	1·9	- 1·5	18	2	29	43·3	•	42·8	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	46	25–28, 2	36	1st	45·9	39·4	42·7	+ 1·3	3	0·17	4	- 11	Malin Head ..	1·7	—	16	•	•	•	•	•	•
a Blacksod Point ..	327	47	25, 26, 1	38	26th	46·0	40·0	43·0	+ 0·2	6	0·87	22	- 4	Markree Castle	1·8	- 0·7	17	1	30	42·2	•	41·5	•
p Markree Castle ..	122	49	25, 26, 1	35	1st	48·1	38·1	43·1	+ 2·1	7	0·66	17	- 5										
b, East .. { *p* Armagh	196	51	25, 26, 2	38	[25, 26, 1	49·1	39·3	44·2	+ 3·3	6	0·14	4	- 11	Armagh	1·6	- 0·9	15	0	35	41·6	+0·8	41·8	-1·1
a Donaghadee	101	49	27th	38	26, 1	46·4	39·6	43·0	+ 1·5	4	0·20	5	- 9										
10. IRELAND, S.																							
p Dublin, City	47	51	1st	37	1st	48·7	40·1	44·4	+ 1·6	3	0·10	3	- 9	Trinity Coll. ..	•	•	•	2	27	42·5	+0·8	42·4	-1·4
a Birr Castle	175	50	1, 2	30	1st	48·3	36·1	42·2	+ 1·2	5	0·49	12	- 2	Phœnix Park ..	1·6	- 1·3	15	2	24	•	•	•	•
a Kilkenny	212	49	26, 28	33	26th	47·4	39·0	43·2	+ 1·7	3	0·44	11	- 4	Dublin City ..	•	•	•	0	32	•	•	•	•
a Waterford	20	50	26th	37	27th	48·3	40·4	44·4	+ 1·6	3	0·41	10	- 8	Birr Castle ..	0·8	- 1·9	8	2	23	•	•	•	•
a Seskin, Carrick-on-Suir	541	50	1st	35	26th	45·9	38·6	42·3	—	4	1·19	30	—	Seskin	0·9	—	8	0	33	•	•	•	•
a Cahir	199	50	1st	34	26th	47·7	38·4	43·1	+ 1·1	4	1·17	30	—										
a Foynes	50	52	1st	32	1st	48·1	38·7	43·4	+ 0·5	6	0·50	13	- 6										
a Cahirciveen (Val. Obs.)	30	50	25, 1	36	25th	48·6	40·4	44·5	+ 0·2	6	1·27	32	+ 2	Cahirciveen ..	1·3	- 1·6	12	0	36	•	•	•	•
a Killarney	174	54	1st	39	25th	49·4	41·2	45·3	+ 2·1	6	0·65	17	- 13	Ballinacurra ..	0·9	- 2·3	8	•	•	•	•	•	•
a Roche's Point	32	49	25, 28, 1	38	25, 26	47·6	40·9	44·3	+ 0·6	5	0·99	25	+ 5										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	50	26, 1, 2	41	25, 26	48·6	42·4	45·5	+ 0·5	3	0·20	5	- 10	Scilly	1·1	- 2·5	10	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	49	25th	33	28th	46·4	37·9	42·2	- 1·2	2	0·16	4	- 11	St. Heliers ..	4·0	+ 0·1	37	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	50	27th	38	27th	47·4	40·1	43·8	- 0·1	2	0·02	1	- 15	Guernsey† ..	3·5	- 0·2	33	0	32	43·0	-0·2	43·0	-2·0

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 3rd, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s. day. hr.	m/s.	d. h. m.
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	25	111	32	0	—	7 3 22	17	26 12 0
Aberdeen	153	105	52	—	—	26	2	44	115	7	0	NW. by W.	11 26 12	17	26 12 55
Edinburgh	485	39	31	—	—	—	—	65	86	17	0	SW. by S.	11 28 8	18	28 8 0
6 SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	28	1	44	70	53	0	SW.	11 28 4	13	26 6 40
Paisley	188	81	52	—	—	—	—	16	112	40	0	NNW.	7 28 11	16	25 12 5
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	20	90	58	0	W.	9 28 10	19	28 9 20
South Shields	72	61	12	—	—	—	—	34	109	25	0	WNW.	11 26 4	16	28 12 20
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	— —	—	— — —
3. ENGLAND, E.															
Gorleston	52	42	‡	—	—	—	—	16	122	28	2	—	7 25 12	11	25 12 6
Shoeburyness	103	90	‡	—	—	—	—	29	128	11	0	SW. by S.	8 25 12	11	26 11 5
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	6	95	67	0	NW.	7 26 13	14	26 12 45
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	—	—	19	108	41	0	—	7 26 14	11	26 8 0
Warlingham	642	33	‡	—	—	—	—	—	137	31	0	—	4 26 16	10	26 16 15
Brighton	261	53	6	—	—	—	—	6	117	45	0	—	6 3 23	11	26 16 30
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	3	118	47	0	NW. by W.	6 26 15	12	26 15 30
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	— — —	—	— — —
Southport	80	62	48	—	—	26, 28	4	88	76	0	0	W. by N.	12 26 12	18	25 15 15
Holyhead	60	40	‡	—	—	26	3	86	73	6	0	W. by N.	12 26 8	15	26 5 5
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	3	4	30	88	46	0	SSW.	13 3 24	17	3 24 15
Plymouth	185	88	2	—	—	—	—	22	92	54	0	—	9 3 23	13	3 14 30
Lyme Regis	556	61	‡	—	—	—	—	32	57	78	1	—	— 3 24	13	3 24 15
10. IRELAND, S.															
Quilty	100	40	‡	—	—	3	1	98	56	6	7	—	11 3 11	17	3 11 0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	64	69	27	8	SE. by S.	11 3 4	16	3 6 50
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	— — —	—	— — —
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	3	5	53	35	75	0	SSE.	14 3 23	20	3 23 50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 6·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINTH WEEK of 1917—February 25th to March 3rd, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	29	80·8	76·1	78·4	+ 2·0	19	+ 13	11	− 24	4	− 1	0 36	9	− 15	2·9	+0·5	28	1016
Eastern.																			
1. SCOTLAND, EAST ...	52	22	80·9	74·2	77·6	+ 1·5	12	+ 5	30	− 10	2	− 2	0·10	3	− 10	3·6	+0·8	34	1018
2. ENGLAND, N.E.	52	28	80·4	74·4	77·4	+ 0·5	9	− 3	29	− 3	1	− 3	0·04	1	− 11	2·7	−0·2	26	1021
3. ENGLAND, EAST ...	50	25	79·9	74·2	77·1	0·0	7	− 8	29	− 5	2	− 2	0 05	1	− 9	2·2	−0·7	21	1022
4. MIDLAND COUNTIES ...	50	26	80·6	74·3	77·4	+ 0·3	10	− 6	30	− 4	2	− 2	0·11	3	− 9	1·7	−0·9	16	1022
5. ENGLAND, S.E.	51	28	80·1	74·6	77·4	− 0·3	8	− 9	28	0	2	− 2	0·17	4	− 9	2·1	−1·0	19	1023
Western.	--	-	- -	----	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. SCOTLAND, WEST ...	49	25	80·2	75·6	77·9	+ 0·7	8	− 2	21	− 8	5	+ 1	0·33	8	− 13	1·9	−0·7	18	1020
7. ENGLAND, N.W.	51	29	80·3	75·4	77·9	+ 0·5	9	− 3	22	− 5	2	− 2	0·17	4	− 12	1·1	−1·7	11	1022
8. ENGLAND, S.W.	51	28	80·5	75·9	78·2	0·0	10	− 8	20	− 2	3	− 1	0·25	6	− 14	1·1	−2·0	10	1023
9. IRELAND, NORTH ...	51	30	81·5	76·8	79·1	+ 0·8	20	+ 4	9	− 13	5	0	0·42	11	− 8	1·7	−0·8	16	1019
10. IRELAND, SOUTH ...	54	30	82·0	77·2	79·6	+ 0·7	24	+ 2	7	− 9	5	+ 1	0·67	17	− 3	1·2	−1·8	11	1021
11. ENGLISH CHANNEL ...	50	33	81·6	77·5	79·6	− 0·1	21	− 3	5	− 3	2	− 2	0·13	3	− 13	2·9	−0·9	27	1024

THE SEASON (Winter).—Aggregates, &c., for the Period of 13 Weeks, December 3rd, 1916, to March 3rd, 1917.

0. SCOTLAND, NORTH ...	53	10	78·1	73·6	75·9	− 0·6	41	− 52	487	+ 45	59	− 8	10·44	264	−145	1·2	+0·1	16	1011
Eastern.																			
1. SCOTLAND, EAST ...	54	2	77·3	72·1	74·8	− 1·2	26	− 67	668	+138	50	− 3	6·84	175	− 18	1·6	−0·1	20	1011
2. ENGLAND, N.E.	58	5	77·2	72·7	75·0	− 1·7	40	− 77	634	+204	52	+ 4	6·88	174	+ 34	1·2	−0·6	15	1012
3. ENGLAND, EAST ...	58	5	77·2	72·6	75·0	− 1·6	42	− 88	637	+167	51	0	5·54	142	+ 8	1·1	−0·8	13	1012
4. MIDLAND COUNTIES ...	58	4	76·9	71·7	74·4	− 2·2	45	− 98	742	+259	44	− 6	5·47	141	− 19	0·9	−0·7	11	1012
5. ENGLAND, S.E.	56	4	77·6	73·0	75·4	− 2·1	54	−126	598	+237	41	− 9	6·27	159	− 13	1·6	−0·3	18	1012
Western.																			
6. SCOTLAND WEST ...	54	16	78·0	73·4	75·8	− 1·5	54	− 80	510	+155	51	−10	8·95	228	−120	1·5	+0·1	18	1012
7. ENGLAND, N.W.	58	9	77·6	72·8	75·3	− 2·1	52	− 89	601	+252	46	− 8	6·59	168	− 57	1·4	−0·2	17	1012
8. ENGLAND, S.W.	59	4	78·0	73·2	75·7	− 2·6	80	−144	559	+283	42	−14	7·56	191	− 89	2·1	+0·1	24	1012
9. IRELAND, NORTH ...	55	7	78·7	73·9	76·3	− 1·6	100	− 79	458	+156	55	− 9	7·76	197	− 62	1·8	+0·2	21	1011
10. IRELAND, SOUTH ...	59	9	79·0	73·7	76·4	− 2·4	133	−140	481	+247	54	− 6	7·80	199	− 98	2·0	+0·1	23	1013
11. ENGLISH CHANNEL ...	55	22	79·8	76·0	78·0	− 2·1	185	−161	269	+172	52	−10	8·79	222	− 18	2·3	−0·1	26	1012

THE YEAR 1917.—Aggregates, &c., for the Period of 9 Weeks, December 31st, 1916, to March 3rd, 1917.

0. SCOTLAND, NORTH ...	53	10	77·9	73·4	75·7	− 0·7	31	− 28	354	+ 34	37	− 9	5·80	147	−128	1·5	+0·1	19	1017
Eastern.																			
1. SCOTLAND, EAST ...	54	2	77·2	72·0	74·7	− 1·3	21	− 42	474	+ 100	31	− 5	3·51	91	− 36	1·8	−0·2	22	1017
2. ENGLAND, N.E.	58	5	77·0	72·6	74·8	− 1·8	34	− 48	461	+ 156	33	− 1	3·87	98	+ 9	1·2	−0·8	14	1017
3. ENGLAND, EAST ...	58	5	76·8	72·4	74·7	− 1·9	33	− 58	476	+ 149	33	− 2	2·80	72	− 17	1·3	−0·9	14	1016
4. MIDLAND COUNTIES ...	58	4	76·7	71·8	74·3	− 2·3	36	− 65	521	+ 185	28	− 7	2·97	77	− 29	1·0	−0·9	11	1017
5. ENGLAND, S.E.	56	4	77·2	72·8	75·1	− 2·2	42	− 75	447	+ 187	24	−10	2·52	64	− 50	1·7	−0·5	19	1016
Western.																			
6. SCOTLAND, WEST ...	54	16	77·8	73·3	75·6	− 1·5	32	− 54	375	+ 116	29	−13	4·36	111	−114	1·5	−0·2	18	1018
7. ENGLAND, N.W.	58	9	77·3	72·8	75·1	− 2·1	40	− 52	438	+ 188	27	−10	3·72	95	− 53	1·5	−0·4	18	1017
8. ENGLAND, S.W.	53	4	77·6	73·2	75·4	− 2·7	60	− 84	418	+ 217	24	−14	3·25	82	− 95	2·1	−0·1	23	1017
9. IRELAND, NORTH ...	55	7	78·5	73·8	76·2	− 1·7	70	− 54	329	+ 114	34	−10	4·32	110	− 62	1·7	−0·1	20	1016
10. IRELAND, SOUTH ...	59	9	78·9	73·9	76·5	− 2·2	97	− 85	331	+ 163	32	− 9	4·47	114	− 78	2·0	−0·1	23	1018
11. ENGLISH CHANNEL ...	53	22	79·1	75·5	77·4	− 2·4	105	−112	233	+ 155	29	−13	3·95	100	− 50	2·3	−0·4	25	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : March 8th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C., and 28, ABINGDON STREET, LONDON, S.W.: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* No. 10.

THE TENTH WEEK OF 1917.

SUNDAY, MARCH 4TH, TO SATURDAY, MARCH 10TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The wind throughout the week was from the East or South-East, and on some days reached gale strength. The wind brought a return of cold weather.

In all districts the mean temperature for the week was well below the normal, the deficiency being more than 5 a. in Scotland East. In the opening days the afternoon readings at some southern and western stations rose to between 282 a. and 284 a., and again at the close there were many maxima between 283 a. and 286 a. in the same regions, but on Thursday and Friday there were many maxima as low as 271 a. to 273 a., while night frosts of great intensity were experienced very commonly. The lowest minima reported were in many places below 261 a., the readings being 255 a. at Balmoral, and 254 a. (2° F. below zero) at West Linton. Some observers note that it was the coldest March weather in their records, the cold being rendered more noticeable by the keen and bitter wind by which it was accompanied. The inshore coastal sea water was everywhere colder than in the preceding week, the average fall being about 1 a.

Precipitation was largely in the form of snow. Over Scotland and England East it was under the normal, only 17 per cent. over Scotland North, but elsewhere it was in excess, England South-West and the Midlands and Ireland South returning more than double the average. At Balmoral on the 7th the snow lay 50 cm. deep. On the 4th and the 10th a number of stations registered about 25 mm. of rain, the wet weather on the latter day being marked by much fog. Bright sunshine was everywhere deficient, the loss in England North-East, Scotland West and Ireland South exceeding two hours per day. Falmouth was visited by a thunderstorm and hail on the 5th. Aurora was observed at Seskin on the 10th.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	6	7·1	4	2·9	4	5·0	3	2·3	4	2·8	5	6·5	5	7·2	5	4·0
North	0	—	1	2·2	2	5·6	3	4·5	2	3·8	1	2·6	1	3·3	2	1·7
West	¼	2·1	¼	0·7	1	3·6	1	1·2	0	—	2	4·3	0	—	1	2·2
East	7	9·7	5	6·8	6	10·4	6	5·7	7	8·0	4	5·5	7	7·7	6	3·9
Calm	0	—	0	—	0	—	¼	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very light	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Very heavy	Heavy	Very heavy	Heavy
	Sunshine ...	Moderate	Scanty	Very scanty	Scanty	Very scanty	Scanty	Very scanty	Scanty	Scanty	Scanty	Very scanty	Very scanty

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 1 week from Mar. 4th, 1917.	Warmth ...	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1
	Rainfall ...	0, 0, 1	0, 1, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0
	Sunshine ...	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(10641—19.) Wt. 79a—736. 450. 3/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	38	10th	26	9, 10	34·0	29·1	31·5	- 6·2	6	0·47	12	- 9										
p Deerness ..	160	39	4th	26	8th	35·3	29·7	32·4	—	4	0·16	4	- 15										
a Stornoway ..	51	43	4th	20	9th	38·9	30·1	34·4	- 4·4	2	0·31	8	- 20	Deerness ..	1·6	- 1·2	15	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	42	6, 10	28	8, 9	39·1	32·7	35·8	- 5·2	2	0·05	1	—	Stornoway ..	2·6	- 0·4	24	•	•	•	•	•	•
														Castlebay ..	1·5	—	14	•	•	•	•	•	•
b, Mainland. a Wick ..	81	40	4, 10	20	8, 9	36·7	28·4	32·4	- 6·2	4	0·10	3	- 12	Fort Augustus..	2·9	+ 0·6	27	•	•	•	•	•	•
p Strathpeffer ..	200	44	10th	20	9th	37·4	26·6	31·8	- 6·3	2	0·11	3	- 15										
p Glencarron ..	500	44	10th	19	8th	36·9	27·0	31·8	- 5·4	1	0·03	1	- 49										
p Fort Augustus..	68	43	10th	20	8th	39·0	29·4	34·1	- 4·3	2	0·06	2	- 23										
p Fort William ..	171	41	4, 10	15	8th	38·6	28·3	33·3	- 6·0	3	0·09	2	- 43										
1. SCOTLAND, E.																							
a Nairn ..	82	44	10th	18	8th	37·6	26·0	31·6	- 7·0	3	0·07	2	- 10	Nairn ..	3·2	—	29	•	•	•	•	•	•
p Gordon Castle ..	101	39	4th	16	9th	34·9	25·7	30·2	- 9·1	5	0·27	7	- 7	Gordon Castle..	3·5	—	32	•	•	•	•	•	•
a Aberdeen ..	46	40	4th	18	9th	36·0	28·9	31·3	- 7·9	5	0·47	12	- 3	Aberdeen ..	2·0	- 1·4	18	5	11	•	•	•	•
a Balmoral ..	930	34	10th	0	9th	31·3	19·6	25·3	- 9·8	5	1·24	31	+ 12	Balmoral ..	•	•	•	7	- 5	•	•	•	•
p Crieff ..	432	35	4, 5, 8, 10	7	9th	34·3	21·6	27·8	-11·3	5	0·98	25	+ 4	Crathes ..	2·1	- 1·2	19	6	- 1	34·8	- 2·1	36·7	- 1·2
a Dundee ..	244	38	4, 10	8	9th	35·6	25·3	30·3	—	5	1·27	32	+ 19	Dundee ..	2·1	—	19	7	4	35·0	•	•	•
a Leith ..	18	40	10th	20	9, 10	36·0	27·4	31·6	- 8·8	4	0·55	14	+ 3	Leith ..	•	•	•	5	11	•	•	•	•
a Edinburgh ..	441	39	4th	21	9th	35·3	26·3	30·7	—	3	0·29	7	—	Edinburgh ..	1·8	- 1·5	16	7	11	•	•	•	•
a West Linton ..	769	37	10th	- 2	9th	32·1	19·1	25·4	-10·7	5	0·50	13	—	West Linton ..	2·1	—	19	7	- 2	•	•	•	•
p Marchmont ..	498	41	10th	11	9th	33·9	22·4	28·0	-10·1	4	0·59	15	- 1	Marchmont ..	1·5	- 1·6	14	6	11	•	•	•	•
6. a SCOTLAND, W.																							
a Poltalloch ..	132	36	4th	—	—	31·9	—	—	—	4	0·37	9	- 17										
p Glasgow Observatory	180	39	4th	20	9th	35·9	27·9	31·8	- 8·0	1	0·68	17	- 1										
p Rothesay ..	170	39	4th	24	8th	36·6	29·4	32·9	- 7·6	5	0·47	12	- 12	Glasgow..	1·2	- 1·2	11	4	15	•	•	•	•
a Kilmarnock ..	90	—	—	20	9th	—	28·3	—	—	1	0·44	11	- 8	Rothesay ..	1·5	—	14	5	17	36·7	•	41·3	- 0·6
														Kilmarnock ..	2·2	—	20	4	17	36·0	•	39·8	•
a Colmonell ..	170	40	10th	18	8th	37·0	27·7	32·2	- 7·7	3	0·53	13	- 10	Colmonell ..	•	•	•	4	13	•	•	•	•
p Cally, Gatehouse ..	120	41	10th	17	9th	36·3	26·3	31·2	- 8·6	3	0·90	23	- 3	Dumfries ..	1·9	—	17	7	9	34·9	•	38·1	•
a Dumfries ..	160	41	10th	15	9th	35·9	25·9	30·8	- 8·9	3	0·54	14	- 5	Eskdalemuir ..	2·2	—	20	7	5	•	•	•	•
a Eskdalemuir ..	794	36	10th	6	9th	31·9	20·7	26·1	—	4	0·69	17	—										
b, I. OF MAN p Douglas ..	277	43	6th	23	8th	38·4	29·6	33·9	- 7·0	5	1·23	31	+ 11	Douglas ..	0·6	- 3·2	5	4	20	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	39	10th	8	9th	35·1	24·1	29·4	- 9·8	6	1·32	34	+ 18										
a Tynemouth ..	71	40	10th	19	9, 10	35·6	26·9	31·1	- 8·5	3	0·71	18	+ 7	Cockle Park ..	1·2	- 2·4	11	7	12	34·0	- 2·7	38·4	- 0·7
a North .. p Durham ..	336	36	4th	11	9th	33·7	24·1	28·8	-10·1	5	0·84	21	+ 10	Durham ..	0·9	- 2·3	8	7	4	•	•	•	•
p Rounton ..	249	38	10th	10	9th	34·4	24·6	29·4	- 9·3	6	0·65	17	+ 6	Rounton ..	•	•	•	6	11	34·7	•	•	•
a West Witton ..	605	38	10th	11	9th	33·1	23·3	28·1	—	5	1·38	35	—	West Witton ..	•	•	•	7	10	34·7	•	37·2	•
p Scarborough ..	100	38	10th	23	8th	35·1	29·3	32·1	- 8·4	6	0·36	9	- 3	Scarborough† ..	1·0	- 2·3	9	•	•	•	•	40·0	•
p York ..	56	39	4th	17	9th	36·3	27·0	31·5	- 8·8	6	0·77	20	+ 9	York ..	0·8	- 2·0	7	•	•	36·5	- 2·0	39·3	- 1·2
b, South .. a Spurn Head ..	26	42	10th	25	9th	36·6	30·0	33·2	- 6·8	4	0·40	10	+ 1	Spurn Head ..	0·1	—	1	•	•	•	•	•	•
a Lincoln ..	58	47	10th	22	9th	37·4	28·9	33·0	- 7·2	5	0·80	20	+ 10	Lincoln ..	•	•	•	•	•	34·9	- 2·5	39·0	- 0·7
a Fulbeck ..	180	46	10th	17	8th	35·9	25·9	30·8	- 9·3	6	0·69	18	+ 7	Rauceby ..	1·7	- 1·8	15	7	17	36·2	- 3·3	40·1	- 1·7
														Skegness ..	1·8	- 1·9	16	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer ..	196	47	10th	23	8, 9	38·1	27·0	32·4	- 7·6	4	0·27	7	- 2	Cromer ..	1·7	- 1·9	15	•	•	•	•	•	•
p Little Massingham ..	280	45	10th	18	9th	36·3	26·4	31·2	- 8·0	6	0·37	9	- 4	Lit. Massingham	2·3	- 0·9	21	7	17	•	•	•	•
a Yarmouth ..	13	44	10th	20	9, 10	35·7	26·9	31·2	- 8·4	2	0·24	6	- 5	Yarmouth ..	1·8	—	16	3	18	36·3	- 3·0	41·0	- 1·2
a Norwich ..	93	48	10th	20	9th	36·9	28·0	32·3	- 8·1	4	0·34	9	- 3	Norwich ..	1·9	—	17	6	16	35·8	•	•	•
a Geldeston ..	37	48	10th	18	9th	37·4	26·6	31·8	- 8·5	5	0·22	6	- 5	Geldeston ..	1·8	- 1·6	16	•	•	•	•	•	•
p Cambridge ..	41	44	10th	16	9th	38·0	27·9	32·8	- 7·7	3	0·22	6	- 3	Cambridge ..	1·6	- 1·8	14	7	13	36·3	- 3·3	41·0	- 0·9
a Clacton-on-Sea ..	54	41	10th	22	9th	36·3	28·6	32·3	- 7·6	2	0·08	2	- 7	Clacton ..	1·7	- 1·9	15	3	15	37·5	- 3·1	41·8	- 1·5
a Rothamsted ..	424	46	10th	18	9th	37·7	25·4	31·4	- 8·4	5	0·41	10	- 4	Rothamsted ..	1·9	- 1·3	17	5	12	35·7	•	•	•
p Tottenham ..	51	45	10th	22	9th	39·6	28·7	34·0	- 6·8	5	0·41	10	—	Tottenham ..	0·9	—	8	5	21	•	•	41·0	- 1·5
4. MIDLAND COUNTIES.																							
a North .. a Harrogate ..	479	41	10th	16	8, 9	33·3	24·1	28·6	-10·1	6	1·26	32	+ 17	Harrogate ..	0·9	- 2·4	8	7	7	35·4	- 2·7	38·1	- 1·3
p Sheffield ..	429	39	10th	17	9th	34·3	25·7	29·9	—	5	1·19	30	—	Sheffield..	0·9	- 1·9	8	7	12	34·4	- 3·3	38·2	- 1·9
p Buxton ..	987	34	4, 5, 10	16	8th	31·4	23·9	27·5	- 9·5	6	0·82	21	- 6	Buxton ..	0·6	—	5	7	0	34·0	- 3·3	37·4	- 2·9
b, East .. a Bawtry ..	65	45	10th	16	9th	36·4	26·0	31·1	- 9·1	5	0·77	20	+ 10	Worksop ..	1·3	- 1·5	12	6	12	35·8	•	38·9	•
a Nottingham ..	82	47	10th	15	9th	36·6	24·7	30·5	- 9·5	4	0·59	15	+ 4	Nottingham ..	1·2	- 1·6	11	7	14	34·9	- 3·6	36·5	- 2·6
p Birmingham, Edgbsn.	535	42	10th	19	8th	35·0	26·7	30·7	- 9·1	5	0·75	19	+ 7	Birmingham ..	1·1	- 1·2	10	6	9	36·3	- 3·0	41·5	- 1·4
a Raunds ..	203	47	10th	14	9th	37·9	24·6	31·1	- 8·8	4	0·45	12	+ 1	Raunds ..	•	•	•	7	7	38·9	•	41·0	•
p Oxford ..	208	46	6th	21	8, 9	39·6	28·9	34·1	- 6·6	6	0·84	21	+ 10	Oxford ..	2·3	- 0·8	21	5	15	•	•	•	•
c, West .. a Cheadle (N. Staffs.) ..	646	44	10th	14	8th	34·6	24·0	29·1	- 9·7	4	1·29	33	+ 18	Cheadle ..	•	•	•	7	13	•	•	•	•
p Shrewsbury ..	191	44	4th	14	9th	39·0	25·9	32·3	- 8·5	5	1·20	31	+ 21	Shrewsbury ..	•	•	•	7	13	•	•	•	•
a Hereford§ ..	291	46	6th	9	9th	39·0	25·1	31·8	- 8·9	6	1·98	50	+ 38	Malvern§ ..	1·5	—	14	3	10	35·8	•	38·9	•
a Clifton ..	229	49	6, 10	22	8th	41·7	29·4	35·4	- 5·9	6	1·18	30	+ 12	Clifton ..	1·9	—	17	4	20	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough ..	424	47	10th	18	9th	41·7	26·9	34·1	- 5·3	7	0·78	20	+ 3	Worthing ..	2·4	- 1·4	22	3	14	38·4	- 2·5	41·9	- 1·2
p Salisbury (Wilton) ..	180	51	6th	19	9th	41·9	27·7	34·6	- 5·6	6	1·28	33	+ 15	Marlborough ..	1·9	- 0·9	17	5	14	38·2	•	42·4	•
a Wisley, Surrey ..	150	48	6, 10	20	9th	40·0	28·7	34·2	- 6·3	5	0·53	14	+ 1	Salisbury ..	•	•	•	3	16	39·0	•	•	•
a Tunbridge Wells ..	354	50	6th	18	9th	40·6	27·0	33·6	- 6·6	5	0·33	8	- 9	Wisley ..	1·8	- 1·3	16	6	9	37·5	- 2·2	40·8	- 1·3
a Margate ..	53	50	10th	24	9th	39·0	29·3	34·0	- 7·2	4	0·14	4	- 7	Tunbridge Wells	1·6	- 1·8	14	5	11	37·6	- 1·5	40·8	•
														Margate ..	1·6	- 1·8	14	6	19	37·0	- 3·3	40·6	- 1·1
a Dungeness ..	21	44	10th	22	9th	39·7	30·0	34·7	- 5·8	5	0·43	11	- 1	Dover ..	2·5	—	23	5	12	•	•	•	•
p St. Leonards ..	178	45	6th	24	8th	40·1	30·9	35·4	- 5·7	4	0·49	13	- 2	St. Leonards ..	2·2	- 1·5	20	4	21	37·2	•	•	•
p Southampton ..	64	50	6th	22	8th	42·0	30·4	36·0	- 6·3	6	1·25	32	+ 16	Southampton ..	1·9	- 1·5	17	3	10	•	•	40·2	•
a Ventnor ..	59	46	5th	23	8th	41·4	31·6	36·4	- 6·4	6	0·98	25	+ 11	Ventnor ..	2·4	- 1·5	22	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	47	10th	21	9th	39·9	28·8	34·2	- 6·9	5	0·37	9	- 3	Richmond ..	1·7	- 1·1	15	4	15	36·7	- 3·1	41·0	- 1·6
a Westminster ..	27	49	10th	22	9th	40·7	29·2	34·8	- 6·4	5	0·32	8	- 3	Westminster ..	1·3	- 0·7	12	4	22	•	•	•	•
a Greenwich ..	155	49	10th	19	9th	39·4	27·7	33·4	- 8·2	5	0·35	9	- 1	Greenwich ..	1·6	- 1·2	14	6	16	•	•	•	•
a Hampstead ..	450	46	10th	20	8th	37·4	25·6	31·3	—	5	0·32	8	—	Hampstead ..	1·6	—	14	7	14	•	•	•	•
a Camden Square ..	110	48	10th	20	9th	40·1	28·3	34·0	—	5	0·38	10	- 2	Camden Square	1·3	- 1·1	12	5	20	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	43	10th	12	8th	35·0	23·9	29·3	- 9·9	2	0·40	10	- 11	Aspatria..	1·7	- 1·4	15	6	12	35·3	•	39·6	•
p Newton Rigg ..	559	38	10th	12	9th	34·0	24·1	28·9	- 9·3	4	0·61	15	- 4	Newton Rigg ..	1·2	- 1·7	11	7	7	36·0	- 2·5	38·3	- 1·4
p Stonyhurst ..	377	37	10th	16	9th	34·3	26·6	30·3	- 8·9	4	0·79	20	- 4	Stonyhurst ..	1·3	- 1·5	12	7	13	•	•	•	•
p Blackpool ..	66	44	10th	20	9th	37·3	27·7	32·4	- 7·6	4	0·93	24	+ 9	Blackpool ..	1·3	- 2·1	12	6	15	36·8	•	40·9	•
a Southport ..	37	44	10th	21	9th	36·9	28·0	32·3	- 8·0	4	0·81	21	+ 8	Southport ..	1·5	- 1·8	14	7	15	34·3	- 4·4	37·2	- 3·2
														Hoylake ..	1·7	- 1·4	15	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	44	10th	21	8th	36·1	27·7	31·8	- 9·0	4	0·98	25	+ 13	Liverpool ..	1·5	—	14	7	17	•	•	•	•
a Hawarden Bridge ..	22	44	10th	20	9th	37·9	28·3	33·0	- 8·5	4	0·30	8	- 5	Manchester(City)	0·8	- 1·2	7	4	14	34·8	- 3·4	39·6	- 2·0
p Manchester (Whit. Pk.)	125	42	10th	19	9th	36·1	27·7	31·8	- 9·2	3	0·52	13	- 1	Whitworth Park	0·4	- 1·5	4	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno ..	71	48	10th	22	9th	39·1	29·6	34·2	- 7·7	6	0·64	16	+ 2	Llandudno ..	1·2	- 2·1	11	•	•	•	•	•	•
a Holyhead ..	15	47	10th	26	8, 9	41·0	31·3	36·0	- 5·6	4	0·95	24	+ 7	Holyhead ..	1·9	—	17	2	22	•	•	•	•
p Bettws-y-Coed ..	148	46	10th	12	9th	38·3	26·3	32·1	- 8·6	6	1·16	29	—	Bettws-y-Coed.	1·2	—	11	•	•	36·9	- 2·8	41·9	- 0·7
p Aberdovey ..	22	49	6th	20	8th	40·7	29·6	35·0	—	4	—	—	—	Aberdovey ..	1·9	- 1·4	17	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	46	6, 10	19	8th	38·9	29·3	34·0	—	3	0·55	14	—	Aberystwyth ..	2·4	- 0·8	22	•	•	•	•	•	•
a Rhayader	757	45	10th	—	—	36·3	—	—	—	7	1·79	46	—	Rhayader ..	2·1	—	19	5	13	•	•	•	•
a St. Ann's Head	149	45	10th	22	8, 9	40·7	30·3	35·4	- 0·4	6	3·07	78	+ 60	St, Ann's Head	2·6	- 1·0	23	•	•	•	•	•	•
p Cardiff	202	48	6th	21	8th	41·3	29·6	35·3	- 5·3	6	2·35	60	+ 38	Cardiff	2·2	—	20	5	14	38·3	-1·4	41·0	-1·4
b, ENGLAND, S.W.																							
a Bath	66	51	6th	21	8, 9	41·4	29·0	35·0	- 5·9	6	1·28	33	+ 18	Bath	•	•	•	•	•	39·3	-1·5	41·1	-2·3
a Shaftesbury	722	47	6th	18	8th	39·6	27·3	33·3	- 6·1	5	0·92	23	+ 7	Shaftesbury ..	•	•	•	•	•	36·9	•	39·2	•
a Arlington	613	48	10th	20	8th	41·4	29·4	35·2	- 4·8	6	1·32	34	+ 6	Arlington ..	•	•	•	•	•	•	•	•	•
a Newquay	190	52	9th	25	8, 9	45·9	33·9	39·7	—	6	2·41	61	+ 44	Newquay ..	2·2	—	20	•	•	42·7	•	43·4	•
a Cullompton	202	52	9th	24	8th	43·3	32·0	37·5	- 3·7	6	1·49	38	+ 19	Cullompton ..	1·9	- 1·4	17	3	18	40·3	•	•	•
a Portland Bill	19	45	9, 10	24	8th	41·6	32·7	37·0	- 5·2	6	0·87	22	+ 8	Weymouth ..	2·1	—	19	•	•	•	•	•	•
p Plymouth	116	53	9th	24	8th	45·1	35·7	40·3	- 2·2	6	2·55	65	+ 45	Plymouth ..	2·5	- 1·2	23	•	•	40·6	-1·5	42·9	•
a Falmouth	167	54	9th	27	9th	46·9	36·0	41·3	- 1·7	6	2·46	63	+ 38	Falmouth ..	2·8	- 1·0	25	2	21	43·0	•	44·1	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	47	10th	25	9th	38·4	31·4	34·8	- 5·9	5	0·08	2	- 12	Malin Head ..	1·6	- 1·5	15	•	•	•	•	•	•
a Blacksod Point ..	327	49	10th	28	8, 9	41·0	32·7	36·7	- 5·4	5	0·59	15	- 10	Markree Castle	1·4	—	13	3	19	39·2	•	41·9	•
p Markree Castle ..	122	48	10th	21	8th	41·0	30·4	35·5	- 4·9	4	1·41	36	+ 15										
b, East .. { *p* Armagh	196	50	10th	20	8th	39·3	30·4	34·7	- 5·7	5	1·39	35	+ 21	Armagh	2·3	- 0·7	21	2	14	39·3	-1·5	42·3	-0·7
a Donaghadee	101	41	10th	25	8th	37·9	31·1	34·4	- 6·5	5	0·83	21	+ 7										
10. IRELAND, S.																							
p Dublin, City	47	47	10th	28	8th	40·3	33·0	36·5	- 5·8	6	2·07	53	+ 41	Trinity Coll. ..	•	•	•	3	26	40·0	-1·6	43·0	-1·3
a Birr Castle	175	49	10th	24	9th	41·0	32·4	36·6	- 3·9	6	1·43	36	+ 21	Phœnix Park ..	0·4	- 3·3	4	3	16	•	•	•	•
a Kilkenny	212	47	6, 10	23	8th	42·1	31·9	36·9	- 4·2	7	2·06	52	+ 37	Dublin City ..	•	•	•	2	26	•	•	•	•
a Waterford	20	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	1·2	- 2·2	11	4	19	•	•	•	•
a Seskin, Carrick-on-Suir	541	45	5th	21	8th	40·4	30·7	35·4	—	6	2·44	62	—	Seskin	1·7	—	15	2	15	•	•	•	•
a Cahir	198	47	5, 10	24	8, 9	42·3	32·6	37·0	- 4·7	6	1·80	46	—										
a Foynes	50	49	9, 10	25	8th	42·9	31·7	37·1	- 5·3	6	1·32	34	+ 15										
a Cahirciveen (Val. Obs.)	30	52	9, 10	32	9th	47·7	35·7	41·5	- 2·2	6	1·46	37	+ 8	Cahirciveen ..	2·7	- 1·0	24	1	30	•	•	•	•
a Killarney	174	53	9th	26	8th	46·3	34·1	40·0	- 2·7	6	0·97	25	- 5	Ballinacurra ..	0·9	- 2·9	8	•	•	•	•	•	•
a Roche's Point	32	47	5, 10	27	8, 9	44·0	35·9	39·8	- 3·2	7	1·83	47	+ 28										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	9th	32	9th	48·4	39·0	43·6	- 1·4	6	2·06	52	+ 34	Scilly	2·2	- 1·5	20	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	53	10th	29	9th	45·3	34·3	39·6	- 4·1	5	0·52	13	- 5	St. Heliers ..	1·7	- 2·2	15	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	10th	29	8th	45·9	35·1	40·3	- 3·9	6	0·59	15	- 4	Guernsey† ..	2·2	- 1·7	20	1	28	41·3	-2·1	43·8	-1·5

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 10th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.		Date.	
1. SCOTLAND, E.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
Dyce	305	75	15*	—	—	4	2	114	26	10	16	—	11	4	18	24	4	13	15
Aberdeen	153	105	52	—	—	4 to 7	87	39	32	10	0	SE.	16	4	19	26	4	18	15
Edinburgh	485	39	31	—	—	4, 6	5	98	60	1	4	E.	12	6	21	20	6	21	10
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	4 to 7	61	48	43	16	0	E. by N.	16	7	2	29	6	18	20
Paisley	188	81	52	—	—	6	4	82	57	25	0	SE. by E.	12	6	20	24	6	20	5
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	4 to 6	48	45	56	18	1	SE.	13	4	11	23	4	10	55
South Shields	72	61	12	4, 6	13	4 to 7, 10	73	38	31	13	0	SE. by S.	19	4	18	24	4	17	55
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	7	9	4 to 8	64	42	10	0	43	—	19	7	11	24	7	8	45
Shoeburyness	103	90	‡	7	17	4 to 8	39	68	20	16	8	ENE.	21	7	14	27	7	14	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	4 to 7	45	85	32	6	0	NE. by N.	15	7	18	23	7	17	55
5. ENGLAND, S.E.																			
Dover	271	40	‡	7	6	4, 6 to 8	35	42	30	4	51	—	19	7	17	26	7	19	25
Warlingham	642	33	‡	—	—	7	1	61	93	13	0	—	11	7	15	24	7	10	40
Brighton	261	53	6	—	—	4, 6, 7	24	81	45	18	0	—	17	7	16	25	7	15	35
Richmond (Kew Obs.) ..	82	65	22	—	—	6, 7	35	58	53	22	0	NE.	14	7	15	24	7	14	0
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	6, 7	13	70	58	18	9	E. by N.	14	7	5	22	7	4	45
Southport	80	62	48	6, 7	5	4 to 7	56	83	24	0	0	E.	18	7	2	27	7	9	25
Holyhead	60	40	‡	6, 7	17	4 to 8, 10	46	60	34	4	7	E. by N.	21	7	6	28	7	6	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	4	5	4 to 10	66	59	28	10	0	SE.	18	4	6	25	6	8	45
Plymouth	185	88	2	—	—	4 to 7, 9, 10	39	82	45	2	0	—	15	4	10	24	7	12	30
Lyme Regis	556	61	‡	—	—	4, 6, 7, 9	50	50	40	28	0	—	17	7	11	23	7	14	30
10. IRELAND, S.																			
Quilty	100	40	‡	4	2	4, 8, 9	20	104	37	5	0	—	18	4	10	26	4	9	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	4, 8, 9	10	73	78	4	3	SE.	14	4	6	25	4	5	35
Weaver Pt.	160	30	‡	4	1	4, 8, 9	19	67	57	17	7	—	17	4	7	24	4	6	25
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	4, 8, 9	17	60	70	21	0	SE. by S.	17	4	9	23	4	8	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TENTH WEEK of 1917—March 4th to March 10th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	44	15	76·0	71·0	73·4	− 3·1	0	− 8	64	+ 30	3	− 2	0·16	4	− 25	2·4	−0·3	22	1006
Eastern.																			
1. SCOTLAND, EAST ...	44	−2	74·4	68·3	71·3	− 5·3	0	− 10	92	+ 54	5	0	0·58	15	− 1	2·1	−1·0	19	1006
2. ENGLAND, N.E.	47	8	75·0	70·1	72·4	− 4·9	0	− 14	77	+ 48	5	+ 1	0·73	19	+ 7	1·2	−2·1	11	1003
3. ENGLAND, EAST ...	48	16	75·9	70·4	73·1	− 4·4	0	− 17	69	+ 39	4	0	0·28	7	− 4	1·7	−1·6	15	1002
4. MIDLAND COUNTIES ...	49	9	75·9	69·6	72·7	− 4·7	0	− 17	74	+ 42	5	+ 1	1·03	26	+ 14	1·4	−1·6	12	1001
5. ENGLAND, S.E.	51	18	77·8	71·4	74·5	− 3·6	0	− 19	51	+ 27	5	+ 1	0·66	17	+ 3	2·0	−1·3	18	1000
Western.																			
6. SCOTLAND, WEST ...	43	15	75·6	70·7	73·1	− 4·3	0	− 11	69	+ 42	3	− 2	0·65	16	− 8	0·9	−2·2	8	1004
7. ENGLAND, N.W.	49	12	75·9	70·5	73·2	− 4·4	0	− 13	68	+ 43	4	0	0·72	18	+ 1	1·5	−1·5	13	999
8. ENGLAND, S.W.	54	18	78·8	72·6	75·6	− 2·7	1	− 17	36	+ 15	6	+ 2	1·81	46	+ 25	2·4	−1·1	21	996
9. IRELAND, NORTH ...	50	20	77·3	72·7	74·9	− 3·1	0	− 16	46	+ 22	5	0	0·96	24	+ 6	1·9	−1·2	17	996
10. IRELAND, SOUTH ...	53	23	79·3	73·7	76·4	− 2·3	4	− 18	31	+ 11	6	+ 2	1·62	41	+ 21	1·3	−2·4	12	993
11. ENGLISH CHANNEL ...	53	29	81·1	75·3	78·1	− 1·7	13	− 12	23	+ 14	6	+ 1	1·06	27	+ 8	2·0	−1·8	18	995

THE SEASON (Spring).—Aggregates, &c., for the Period of 1 Week, March 4th, to March 10th, 1917.

0. SCOTLAND, NORTH ...	44	15	76·0	71·0	73·4	− 3·1	0	− 8	64	+ 30	3	− 2	0·16	4	− 25	2·4	−0·3	22	1006
Eastern.																			
1. SCOTLAND, EAST ...	44	−2	74·4	68·3	71·3	− 5·3	0	− 10	92	+ 54	5	0	0·58	15	− 1	2·1	−1·0	19	1006
2. ENGLAND, N.E.	47	8	75·0	70·1	72·4	− 4·9	0	− 14	77	+ 48	5	+ 1	0·73	19	+ 7	1·2	−2·1	11	1003
3. ENGLAND, EAST ...	48	16	75·9	70·4	73·1	− 4·4	0	− 17	69	+ 39	4	0	0·28	7	− 4	1·7	−1·6	15	1002
4. MIDLAND COUNTIES ...	49	9	75·9	69·6	72·7	− 4·7	0	− 17	74	+ 42	5	+ 1	1·03	26	+ 14	1·4	−1·6	12	1001
5. ENGLAND, S.E.	51	18	77·8	71·4	74·5	− 3·6	0	− 19	51	+ 27	5	+ 1	0·66	17	+ 3	2·0	−1·3	18	1000
Western.																			
6. SCOTLAND, WEST ...	43	15	75·6	70·7	73·1	− 4·3	0	− 11	69	+ 42	3	− 2	0·65	16	− 8	0·9	−2·2	8	1004
7. ENGLAND, N.W.	49	12	75·9	70·5	73·2	− 4·4	0	− 13	68	+ 43	4	0	0·72	18	+ 1	1·5	−1·5	13	999
8. ENGLAND, S.W.	54	18	78·8	72·6	75·6	− 2·7	1	− 17	36	+ 15	6	+ 2	1·81	46	+ 25	2·4	−1·1	21	996
9. IRELAND, NORTH ...	50	20	77·3	72·7	74·9	− 3·1	0	− 16	46	+ 22	5	0	0·96	24	+ 6	1·9	−1·2	17	996
10. IRELAND, SOUTH ...	53	23	79·3	73·7	76·4	− 2·3	4	− 18	31	+ 11	6	+ 2	1·62	41	+ 21	1·3	−2·4	12	993
11. ENGLISH CHANNEL ...	53	29	81·1	75·3	78·1	− 1·7	13	− 12	23	+ 14	6	+ 1	1·06	27	+ 8	2·0	−1·8	18	995

THE YEAR 1917.—Aggregates, &c., for the Period of 10 Weeks, December 31st, 1916, to March 10th, 1917.

0. SCOTLAND, NORTH ...	53	10	77·8	73·2	75·5	− 0·9	31	− 36	418	+ 64	40	−11	5·96	151	−153	1·6	+0·1	19	1016
Eastern.																			
1. SCOTLAND, EAST ...	54	−2	76·9	71·7	74·3	− 1·7	21	− 52	566	+ 154	36	− 5	4·09	106	− 37	1·8	−0·3	21	1016
2. ENGLAND, N.E.	58	5	76·8	72·4	74·6	− 2·1	34	− 62	538	+ 204	38	0	4·60	117	+ 16	1·2	−0·9	14	1015
3. ENGLAND, EAST ...	58	5	76·7	72·2	74·5	− 2·2	33	− 75	545	+ 188	37	− 2	3·08	79	− 21	1·3	−1·0	14	1015
4. MIDLAND COUNTIES ...	58	4	76·7	71·6	74·2	− 2·5	36	− 82	595	+ 227	33	− 6	4·00	103	− 15	1·0	−1·0	11	1015
5. ENGLAND, S.E.	56	4	77·3	72·6	75·0	− 2·4	42	− 94	498	+ 214	29	− 9	3·18	81	− 47	1·8	−0·5	19	1015
Western.																			
6. SCOTLAND, WEST ...	54	15	77·6	73·0	75·3	− 1·8	32	− 65	444	+ 158	32	−15	5·01	127	−122	1·5	−0·3	17	1016
7. ENGLAND, N.W.	58	9	77·2	72·5	74·9	− 2·4	40	− 65	506	+ 231	31	−10	4·44	113	− 52	1·5	−0·5	17	1015
8. ENGLAND, S.W.	54	4	77·7	73·1	75·4	− 2·6	61	−101	454	+ 232	30	−12	5·06	128	− 70	2·1	−0·2	23	1015
9. IRELAND, NORTH ...	55	7	78·4	73·7	76·1	− 1·8	70	− 70	375	+ 136	39	−10	5·28	134	− 56	1·7	−0·3	19	1014
10. IRELAND, SOUTH ...	59	9	79·0	73·9	76·5	− 2·2	101	−103	362	+ 174	38	− 7	6·09	155	− 57	2·0	−0·3	21	1015
11. ENGLISH CHANNEL ...	53	22	79·3	75·5	77·4	− 24	118	−124	256	+ 169	35	−12	5·01	127	− 42	2·2	−0·6	24	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : March 15th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C., and 28, ABINGDON STREET, LONDON, S.W.: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 11.

THE ELEVENTH WEEK OF 1917.
SUNDAY, MARCH 11TH, TO SATURDAY, MARCH 17TH.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The conditions were influenced mainly by low pressure systems of little intensity, so that the winds varied greatly in direction, and only occasionally did they attain the force of a strong breeze in exposed situations.

Weather of a very variable character was experienced. Temperature differed but slightly from the normal, the largest deviation being in Scotland East where it was — 1·0 a. At the commencement of the period the afternoon maxima at a number of northern stations were as low as 274 a. to 277 a., while many southern ones ranged from 284 a. to 286 a. Towards the close many maxima exceeded 286 a., Foynes reaching 289 a. on the 16th. Night frosts occurred in many localities, but, although there were temperatures of 260 a. at Balmoral, and 263 a. at West Linton on the 12th there were few readings below 269 a., and on the 17th many places remained as high as 279 a. to 282 a. Along the coasts the temperature of the sea water was about 1 a. warmer than during the previous week, but in most regions it was still 1 a. under the normal.

Precipitation was very irregularly distributed. England East received only 22 per cent. of the normal, and Scotland West 26 per cent., while at the other extreme England South-East had 150, and England East 225 per cent, Some stations had none all the week. Heavy rain fell in the South on the 11th, up to 25 mm. at Torquay, 31 mm. at Cullompton, and 40 mm. at Salcombe, a heavy thunderstorm and hail visiting the last mentioned station. The snowfalls of the week were unimportant, but 5 cm. fell at Edinburgh early on the 11th.

Local fogs were reported on various days, inland and on the coasts. An aurora, glow type, faint, was observed at Aberdeen on the 17th ; and on the same date Oxford reported a solar halo and parhelia.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	—	—	5	3·4	2	2·6	3	2·2	3	4·8	3	4·2	3	3·6	5	4·2
North	—	—	2	3·5	4	1·9	3	2·1	3	3·0	4	2·7	3	1·5	2	1·3
West	—	—	6	3·7	4	2·7	3	2·4	5	3·9	4	3·5	5	3·5	1	3·6
East	—	—	1	2·1	3	2·0	2	1·6	2	3·3	2	2·5	2	2·3	6	1·5
Calm	—	—	0	—	0	—	1	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Very light	Heavy	Moderate	Moderate	Light	Light	Moderate	Light	Light	Moderate
	Sunshine ...	Moderate	Abundant	Moderate	Scanty	Moderate	Scanty	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 2 weeks from Mar. 4th, 1917.	Warmth ...	0, 1, 1	0, 0, 2	0, 0, 2	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1
	Rainfall ...	0, 1, 1	0, 2, 0	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	0, 1, 1	0, 1, 1	1, 1, 0	1, 0, 1	1, 0, 1	1, 1, 0
	Sunshine ...	0, 2, 0	1, 0, 1	0, 1, 1	0, 0, 2	0, 1, 1	0, 0, 2	1, 0, 1	1, 0, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10714—19.) Wt. 79a—736. 450. 3/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Mean for the Week. Of Daily Min.	Mean for the Week. Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F	°F	°F.	°F.		in	mm	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick	54	46	17th	34	12th	40·4	35·7	38·0	− 0·4	6	1·42	36	+ 17										
p Deerness	160	50	17th	26	11th	43·3	34·1	38·6	—	7	1·14	29	+ 12	Deerness ..	0·5	− 2·6	4	•	•	•	•	•	•
a Stornoway	51	53	17th	34	15, 16	46·9	36·3	41·4	+ 1·8	7	0·55	14	− 10	Stornoway ..	2·9	− 0·3	25	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	50	17th	36	14th	46·6	39·9	43·2	+ 2·1	6	0·34	9	—	Castlebay ..	3·3	—	29	•	•	•	•	•	•
b, Mainland. *a* Wick	81	54	17th	30	16th	44·4	33·3	38·7	− 0·4	7	0·81	21	+ 7	Fort Augustus..	2·9	+ 0·4	25	•	•	•	•	•	•
p Strathpeffer	200	55	17th	27	14th	45·4	32·4	38·7	− 0·4	4	0·24	6	− 10										
p Glencarron	500	47	16–17	29	12th	44·9	33·4	39·0	+ 0·9	6	1·56	40	− 5										
p Fort Augustus.. ..	68	49	16, 17	23	14th	45·9	32·9	39·2	− 0·2	6	0·87	22	0										
p Fort William	171	52	16th	25	14th	48·3	32·9	40·4	+ 0·2	5	1·07	27	− 12										
1. SCOTLAND, E.																							
a Nairn	82	58	17th	25	12, 13	46·0	30·0	37·8	− 1·5	6	0·54	14	+ 3	Nairn	3·5	− 0·3	31	•	•	•	•	•	•
p Gordon Castle ..	101	59	17th	29	12th	47·3	33·6	40·3	+ 0·4	4	0·29	7	− 6	Gordon Castle..	2·8	—	25	•	•	•	•	•	•
a Aberdeen	46	52	17th	29	12, 13	45·0	32·6	38·6	− 1·3	5	0·56	14	0	Aberdeen ..	2·9	—	25	4	23	•	•	38·3	− 1·1
a Balmoral	930	52	17th	9	12th	42·1	25·0	33·3	− 2·5	2	0·06	2	− 15	Balmoral ..	•	•	•	6	6	•	•	•	•
p Crieff	432	51	16 17	23	12th	47·9	29·1	38·2	− 1·7	3	0·15	4	− 14	Crathes	3·6	0·0	32	5	18	34·2	− 3·2	36·6	− 1·6
a Dundee	244	50	16, 17	21	12th	45·4	29·7	37·3	—	3	0·12	3	− 9	Dundee	5·4	—	47	6	15	34·1	•	•	•
a Leith	18	52	16, 17	28	12th	46·4	32·0	39·0	− 2·1	4	0·28	7	− 3	Leith	•	•	•	5	18	•	•	•	•
a Edinburgh	441	51	16, 17	28	12th	45·6	34·0	38·6	—	4	0·14	4	—	Edinburgh ..	6·9	+ 2·3	53	3	22	•	•	•	•
a West Linton	769	49	16th	14	12th	43·7	25·3	34·2	− 2·6	2	0·23	6	—	West Linton ..	4·5	—	40	6	13	•	•	•	•
p Marchmont	498	50	16th	24	12th	45·4	30·0	37·5	− 1·3	2	0·29	7	− 8	Marchmont ..	4·5	+ 1·0	40	5	24	•	•	•	•
6. *a* SCOTLAND, W.																							
a Poltalloch	132	50	16th	—	—	46·6	—	—	—	4	0·28	7	− 13										
p Glasgow Observatory	180	52	16th	28	14th	45·1	34·7	39·8	− 0·8	3	0·13	3	− 11	Glasgow.. ..	3·8	+ 1·1	33	3	20	•	•	•	•
p Rothesay	170	52	16th	30	14th	46·7	34·7	40·5	− 0·7	6	0·28	7	− 12	Rothesay ..	4·4	—	39	5	23	37·6	•	40·0	− 1·8
a Kilmarnock	90	—	—	22	15th	—	30·0	—	—	5	0·30	8	− 6	Kilmarnock ..	4·7	—	41	4	20	37·0	•	39·1	•
a Colmonell	170	55	16th	23	14th	49·6	31·9	40·5	− 0·3	2	0·17	4	− 14	Colmonell ..	•	•	•	3	18	•	•	•	•
p Cally, Gatehouse ..	120	50	13, 14, 16	25	14th	47·4	32·1	39·5	− 1·0	3	0·21	5	− 15	Dumfries ..	5·9	—	52	6	20	35·5	•	37·7	•
a Dumfries	160	50	16th	26	12th	47·1	32·3	39·5	− 1·2	2	0·07	2	− 13	Eskdalemuir ..	6·2	—	54	5	18	•	•	•	•
a Eskdalemuir	794	48	16th	20	12th	44·4	24·9	34·4	—	4	0·35	9	—										
b. I. OF MAN *p* Douglas	277	54	16th	31	12th	46·9	35·9	41·2	− 0·4	2	0·08	2	− 13	Douglas	5·7	+ 1·5	49	3	26	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	51	17th	25	14th	47·0	30·7	38·6	− 1·7	2	0·09	2	− 11										
a Tynemouth	71	54	17th	30	12th	48·0	32·3	39·0	− 1·7	0	0·00	0	− 9	Cockle Park ..	6·0	+ 1·8	53	6	22	35·2	− 2·0	37·4	− 1·8
a North .. *p* Durham	336	50	17th	25	14th	46·7	30·3	38·3	− 1·8	0	0·01	0·2	− 9	Durham	4·5	+ 0·8	39	5	18	•	•	•	•
p Rounton	249	53	17th	27	12, 14, 15	46·9	31·0	38·7	− 1·2	4	0·07	2	− 6	Rounton	•	•	•	6	20	35·1	•	•	•
a West Witton	605	49	17th	26	12th	45·1	30·6	37·6	—	2	0·02	1	—	West Witton ..	•	•	•	6	20	34·1	•	36·9	•
p Scarborough	100	54	17th	33	16th	47·1	35·0	40·9	− 0·7	2	0·41	10	+ 1	Scarborough† ..	4·7	+ 0·7	41	•	•	•	•	40·0	•
p York	56	55	17th	29	14th	49·1	33·6	41·1	− 0·4	0	0·00	0	− 9	York	4·2	+ 0·9	36	•	•	36·7	− 2·5	39·1	− 1·5
b, South .. *a* Spurn Head	26	52	17th	31	16th	45·1	32·7	38·7	− 2·4	1	0·04	1	− 6	Spurn Head ..	3·2	—	28	•	•	•	•	•	•
a Lincoln	58	53	17th	31	16th	48·0	34·7	41·2	− 0·3	1	0·03	1	− 7	Lincoln	•	•	•	•	•	36·5	− 1·6	38·9	− 1·1
a Fulbeck	180	56	17th	27	16th	47·4	33·7	40·4	− 1·0	3	0·15	4	− 5	Rauceby ..	3·3	− 0·8	28	4	22	38·1	− 2·1	40·0	− 2·0
														Skegness ..	2·4	− 2·0	21	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	57	17th	30	16th	46·0	32·0	38·8	− 2·2	7	0·42	11	+ 4	Cromer	2·6	− 1·5	22	•	•	•	•	•	•
p Little Massingham ..	280	56	17th	27	16th	46·4	30·9	38·4	− 2·6	6	0·57	15	+ 5	Lit. Massingham	2·0	− 1·7	17	4	23	•	•	•	•
a Yarmouth	13	57	17th	29	16th	47·3	32·1	39·5	− 1·0	4	0·95	25	+ 17	Yarmouth ..	2·1	—	18	3	25	38·9	− 1·1	40·9	− 1·6
a Norwich	93	58	17th	27	16th	47·4	33·0	40·0	− 1·5	4	0·85	22	+ 13	Norwich ..	1·7	—	15	3	21	37·9	•	•	•
a Geldeston	37	59	17th	26	16th	47·7	31·6	39·4	− 1·9	5	0·98	25	+ 17	Geldeston ..	1·8	− 2·2	16	•	•	•	•	•	•
p Cambridge	41	58	17th	26	15th	48·6	34·1	41·1	− 0·5	4	0·53	13	+ 6	Cambridge ..	1·4	− 2·5	12	4	18	39·6	− 0·9	40·9	− 1·3
a Clacton-on-Sea ..	54	55	17th	31	15, 16	45·4	34·0	39·5	− 1·4	4	1·10	28	+ 21	Clacton	1·9	− 2·3	16	2	25	39·6	− 1·6	41·3	− 2·3
a Rothamsted	424	56	17th	29	13, 15	45·9	33·3	39·4	− 1·4	2	0·45	11	+ 1	Rothamsted ..	1·4	− 2·3	12	3	22	37·3	•	•	•
p Tottenham	51	58	17th	32	15th	48·0	36·4	42·0	—	3	0·53	13	—	Tottenham ..	1·5	—	13	2	27	•	•	40·7	− 2·0
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	52	17th	29	11, 12	46·6	31·7	38·9	− 1·1	1	0·02	1	− 10	Harrogate ..	4·1	+ 0·3	35	5	21	35·8	− 2·7	37·9	− 1·7
p Sheffield	429	56	17th	31	16th	47·6	35·3	41·3	—	0	0·00	0	—	Sheffield.. ..	2·2	− 1·1	19	4	27	34·8	− 3·4	38·0	− 2·1
p Buxton	987	52	17th	28	16th	46·0	31·4	38·5	+ 0·9	4	0·22	6	− 14	Buxton	3·9	—	24	5	20	34·5	− 3·0	37·3	− 3·0
a Bawtry	65	58	17th	27	16th	49·0	31·1	39·8	− 1·8	1	0·04	1	− 7	Worksop ..	4·0	+ 0·7	35	5	19	37·3	•	38·8	•
a Nottingham	82	57	17th	26	16th	49·1	31·4	40·0	− 1·4	4	0·13	3	− 5	Nottingham ..	3·6	+ 0·2	31	3	23	35·9	− 2·4	36·2	− 3·0
b, East .. *p* Birmingham, Edgbsn.	535	54	17th	30	16th	48·3	35·0	41·5	+ 0·3	4	0·18	5	− 4	Birmingham ..	2·7	0·0	23	3	24	37·7	− 1·8	41·1	− 1·6
a Raunds	203	56	17th	25	16th	47·9	30·4	38·9	− 2·5	5	0·35	9	+ 1	Raunds	•	•	•	4	17	38·2	•	41·0	•
p Oxford	208	56	17th	28	16th	47·3	34·9	40·9	− 1·2	4	0·42	11	+ 3	Oxford	1·9	− 1·7	16	6	21	•	•	•	•
a Cheadle (N. Staffs.) ..	646	52	17th	29	16th	47·7	33·4	40·3	+ 0·1	2	0·11	3	− 8	Cheadle	•	•	•	5	23	•	•	•	•
c, West .. *p* Shrewsbury	191	57	17th	29	15th	—	34·3	—	—	1	0·01	0·3	− 8	Shrewsbury ..	•	•	•	5	23	•	•	•	•
a Hereford§	291	55	17th	31	16th	48·7	33·9	41·1	− 1·0	3	0·46	12	+ 3	Malvern§ ..	3·6	—	31	3	26	37·3	•	38·6	•
a Clifton	229	56	17th	30	16th	49·3	37·0	43·0	+ 0·4	4	0·72	18	+ 5	Clifton	?	—	?	1	28	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	55	17th	26	16th	47·1	32·3	39·5	− 1·0	4	1·07	27	+ 15	Worthing	2·0	− 2·4	17	3	24	40·2	− 1·2	41·7	− 1·6
p Salisbury (Wilton) ..	180	56	17th	25	16th	48·8	31·7	40·0	− 1·3	3	0·86	22	+ 10	Marlborough ..	2·3	− 0·9	21	4	21	40·0	•	42·1	•
a Wisley, Surrey ..	150	57	17th	31	15th	47·7	35·9	41·6	− 0·1	3	0·51	13	+ 4	Salisbury	•	•	•	4	23	40·2	•	•	•
a Tunbridge Wells ..	354	56	17th	31	13, 15	48·6	35·9	42·1	+ 0·7	4	0·34	8	− 4	Wisley	1·8	− 1·8	16	4	20	40·1	− 0·3	40·6	− 1·7
a Margate	53	56	17th	33	15th	47·4	36·7	41·9	− 0·4	4	0·81	21	+ 14	Tunbridge Wells	2·0	− 1·9	17	2	23	40·3	+0·7	40·6	•
														Margate	1·9	− 2·0	16	2	29	40·2	− 0·5	40·6	− 1·3
a Dungeness	21	47	12, 17	32	15th	45·6	36·4	40·9	− 0·6	3	0·40	10	+ 2	Dover	2·4	—	21	2	27	•	•	•	•
p St. Leonards	178	51	17th	32	15th	47·1	38·3	42·6	+ 0·4	3	0·34	9	− 1	St. Leonards ..	2·5	− 1·7	22	1	29	40·5	•	40·5	•
p Southampton	64	55	17th	31	13, 16	48·6	37·9	42·6	− 0·8	3	0·64	16	+ 5	Southampton ..	2·3	− 1·6	20	4	19	•	•	•	•
a Ventnor	59	51	14, 17	35	16th	49·0	39·7	44·2	+ 0·4	3	0·43	11	+ 1	Ventnor	2·7	− 1·8	23	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	56	17th	32	15th	48·4	37·6	42·8	+ 0·6	3	0·66	17	+ 9	Richmond	1·4	− 1·9	12	3	24	39·7	− 0·8	41·0	− 1·9
a Westminster	27	59	17th	32	15th	49·3	37·0	43·0	+ 1·0	3	0·63	16	+ 8	Westminster ..	1·3	− 1·0	11	0	31	•	•	•	•
a Greenwich	155	58	17th	30	15th	49·0	36·3	42·5	− 0·3	3	0·83	21	+ 12	Greenwich ..	1·7	− 1·4	15	3	25	•	•	•	•
a Hampstead	450	56	17th	31	13, 15	45·7	33·7	39·5	—	3	0·54	14	—	Hampstead ..	1·5	—	13	5	23	•	•	•	•
a Camden Square ..	110	57	17th	30	15th	48·7	36·1	42·2	—	4	0·64	14	+ 5	Camden Square	1·4	− 1·4	12	2	27	•	•	•	•
7. *a*, ENGLAND, N.W.																							
a Aspatria (Mealsgate)	487	46	13, 16, 17	23	12th	44·6	30·6	37·4	− 3·0	3	0·23	6	− 10	Aspatria	5·5	+ 1·9	47	6	20	36·1	•	38·9	•
p Newton Rigg	559	52	12th	25	14th	47·1	31·0	38·8	− 0·7	3	0·19	5	− 10	Newton Rigg ..	4·5	+ 1·1	39	6	18	35·7	− 3·3	37·9	− 1·9
p Stonyhurst	277	52	17th	30	12th	47·0	34·1	40·4	0·0	2	0·06	1	− 18	Stonyhurst ..	4·7	+ 1·5	41	4	25	•	•	•	•
p Blackpool	66	51	14th	29	12th	46·9	33·3	39·9	− 1·3	5	0·21	5	− 7	Blackpool ..	5·9	+ 1·9	51	5	20	37·3	•	40·7	•
a Southport	37	52	17th	30	12th	46·0	33·4	39·5	− 2·0	1	0·14	4	− 8	Southport ..	5·5	+ 1·7	47	6	21	35·7	− 4·0	37·3	− 3·5
														Hoylake ..	2·9	− 0·6	25	•	•	•	•	•	•
a Liverpool (Edgbsn) ..	188	51	17th	31	11th	45·1	34·1	39·4	− 2·6	1	0·16	4	− 6	Liverpool ..	3·7	—	32	6	25	•	•	•	•
a Hawarden Bridge ..	22	54	17th	29	12th	48·0	33·6	40·6	− 2·1	3	0·65	16	+ 6	Manchester(City)	2·6	+ 0·1	22	3	30	34·9	− 3·8	39·2	− 2·5
p Manchester (Whit. Pk.)	126	54	17th	31	16th	48·1	34·6	41·2	− 1·1	2	0·23	6	− 6	Whitworth Park	2·6	+ 0·1	22	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	71	51	17th	33	12th	47·0	36·9	41·8	− 1·2	1	0·20	5	− 6	Llanduduo	4·5	+ 0·7	39	•	•	•	•	•	•
a Holyhead	15	50	13, 16	35	12, 16	47·1	37·4	42·1	− 0·6	3	0·48	12	− 2	Holyhead	4·6	—	40	3	29	•	•	•	•
p Bettws-y-Coed ..	148	52	12th	28	15th	48·7	30·7	41·0	− 0·8	2	0·16	5	—	Bettws-y-Coed.	4·1	—	35	•	•	37·9	− 2·3	41·0	− 1·6
p Aberdovey	22	52	13th	34	15th	48·7	38·1	43·2	—	3	0·30	8	—	Aberdovey ..	3·9	+ 0·1	34	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	46	13, 15-17	31	15th	45·3	35·9	40·5	—	3	0·20	5	—	Aberystwyth ..	3·9	- 0·3	34	*	*	*	*	*	*
a Rhayader	757	50	17th	—	—	47·3	—	—	—	4	0·11	3	—	Rhayader ..	3·9	—	34	3	24	*	*	*	*
a St. Ann's Head ..	149	50	15th	35	14th	46·6	37·6	42·0	- 0·8	3	0·24	6	- 7	St. Ann's Head	3·6	- 0·4	31	*	*	*	*	*	*
p Cardiff	202	54	17th	30	16th	49·7	36·1	42·7	+ 0·8	5	0·76	19	+ 4	Cardiff	3·0	—	26	3	22	39·9	-0·1	41·1	-1·3
b, ENGLAND, S.W.																						
a Bath	66	56	17th	27	16th	49·6	35·3	42·2	0·0	3	0·78	20	+ 9	Bath	*	*	*	*	*	40·1	-1·6	41·0	-2·5
a Shaftesbury	722	51	17th	31	16th	46·7	35·1	40·7	0·0	3	0·73	19	+ 8	Shaftesbury ..	*	*	*	*	*	39·8	*	40·0	*
a Arlington	613	55	17th	31	15th	49·7	35·9	42·6	+ 1·4	3	0·47	12	- 7	Arlington ..	*	*	*	*	*	*	*	*	*
a Newquay	190	53	17th	32	17th	48·9	38·3	43·4	—	3	0·56	14	+ 2	Newquay ..	4·7	—	41	*	*	44·2	*	43·8	*
a Cullompton	202	59	17th	28	16th	52·0	36·1	43·8	+ 1·3	4	1·46	37	+ 24	Cullompton ..	3·0	- 0·7	26	3	23	42·5	*	*	*
a Portland Bill	19	48	14, 15	35	16th	45·7	38·6	42·1	- 1·2	4	0·83	21	+ 11	Weymouth ..	2·5	—	22	*	*	*	*	*	*
p Plymouth	116	52	12-14	34	16th	50·7	39·4	44·9	+ 1·2	3	0·61	16	+ 2	Plymouth ..	4·3	+ 0·2	37	*	*	43·1	+0·2	43·0	*
a Falmouth	167	53	17th	35	16th	50·3	38·4	44·2	+ 0·2	4	0·73	19	+ 2	Falmouth ..	5·1	+ 0·9	44	2	27	45·1	*	44·6	*
9. IRELAND, N.																						
a, West .. *a* Malin Head	208	52	16th	36	14, 15	48·7	37·9	43·1	+ 1·0	3	0·13	3	- 9	Malin Head ..	4·9	—	43	*	*	*	*	*	*
a Blacksod Point ..	327	50	17th	35	14th	47·4	38·4	42·8	- 0·7	4	0·39	7	- 13	Markree Castle	4·0	+ 0·9	35	4	21	40·7	*	42·0	*
p Markree Castle ..	122	56	18th	23	14th	50·7	32·1	41·1	- 0·7	2	0·33	8	- 9										
b, East .. *p* Armagh	196	59	16th	25	14th	49·6	34·4	41·8	- 0·1	2	0·15	4	- 8	Armagh	4·0	+ 0·9	35	3	22	39·8	-1·5	41·7	-1·4
a Donaghadee	101	58	16th	34	12-14	47·9	36·3	41·9	- 0·4	2	0·09	2	- 9										
10. IRELAND, S.																						
p Dublin, City	47	56	16th	31	12th	48·3	35·9	41·8	- 1·8	2	0·04	1	- 8	Trinity Coll. ..	*	*	*	5	21	40·4	-1·7	43·0	-1·9
a Birr Castle	175	58	16th	27	15, 16	51·1	31·4	41·0	- 0·9	4	0·13	3	- 10	Phœnix Park ..	3·8	+ 0·3	33	5	19	*	*	*	*
a Kilkenny	212	57	16th	27	13th	50·9	33·7	42·1	- 0·4	2	0·21	5	- 6	Dublin City ..	*	*	*	4	28	*	*	*	*
a Waterford	20	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	5·2	+ 2·1	45	6	19	*	*	*	*
a Seskin, Carrick-on-Suir	541	53	16th	30	13, 15	49·6	35·3	42·2	—	3	0·24	6	—	Seskin	5·2	—	45	4	24	*	*	*	*
a Cahir	199	53	15th	27	15th	49·4	34·9	41·9	- 0·9	2	0·34	9	—										
a Foynes	50	61	16th	29	13th	52·1	37·0	44·3	+ 0·5	3	0·13	3	- 13										
a Cahirciveen (Val. Obs.)	30	53	11th	31	15th	50·0	37·6	43·6	- 1·4	7	0·81	21	- 1	Cahirciveen ..	2·3	- 1·2	20	2	28	*	*	*	*
a Killarney	174	57	16, 17	29	15th	53·5	37·3	45·2	+ 1·1	4	0·44	11	- 12	Ballinacurra ..	2·2	- 1·7	19	*	*	*	*	*	*
a Roche's Point	32	49	15th	32	13, 14	47·6	37·0	42·1	- 2·2	6	0·31	8	- 6										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	52	16, 17	40	12th	50·0	41·9	45·8	- 0·1	3	0·95	24	+ 13	Scilly	5·5	+ 0·8	47	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	54	11th	32	16, 17	49·4	38·6	43·8	- 1·1	4	0·39	10	- 1	St. Heliers ..	3·6	- 1·3	31	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	52	17th	33	16th	49·4	41·3	45·2	- 0·2	4	0·40	10	- 2	Guernsey† ..	3·8	- 1·2	33	2	27	43·8	-0·2	44·0	-1·2

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 17th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	5	95	44	24	— 7	11 8	17	16 17 35
Aberdeen	153	105	52	—	—	11	4	36	95	33	0	E. 11	11 9	16	11 10 10
Edinburgh	485	39	31	—	—	17	5	54	100	7	2	SW. by W. 12	17 3	19	17 2 40
6 SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	16, 17	9	45	50	64	0	SW. by W. 14	16 23	21	16 22 25
Paisley	188	81	52	—	—	—	—	23	65	69	11	SW. by S. 8	17 9	19	16 12 45
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	38	67	63	0	SE. 10	11 2	20	16 10 25
South Shields	72	61	12	—	—	11	4	23	70	71	0	SE. by S. 13	11 1	21	11 3 35
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	— — —
3. ENGLAND, E.															
Gorleston	52	42	‡‡	—	—	—	—	17	98	32	21	— 10	11 5	12	11 5 15
Shoeburyness	103	90	‡‡	—	—	—	—	60	105	3	0	W. 9	17 10	15	17 8 55
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	31	102	35	0	S. by E. 11	11 1	15	11 1 5
5. ENGLAND, S.E.															
Dover	271	40	‡‡	—	—	11	1	73	36	25	33	— 11	11 7	15	11 7 30
Warlingham	642	33	‡‡	—	—	—	—	10	110	48	0	— 8	11 2	13	11 4 45
Brighton	261	53	6	—	—	—	—	6	90	23	49	— 6	11 1	10	11 0 30
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	23	112	33	0	SSW. 8	11 4	13	11 4 15
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	23	74	71	0	SW. by S. 9	17 12	15	17 12 10
Southport	80	62	48	—	—	11, 16, 17	10	65	82	11	0	SW. by W. 12	11 5	20	11 4 10
Holyhead	60	40	‡	—	—	11, 16, 17	10	81	63	14	0	SW. 13	16 14	18	16 15 0
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	13	5	45	73	41	4	WSW. 16	13 22	23	13 21 50
Plymouth	185	88	‡‡	—	—	—	—	24	115	29	0	— 9	13 23	16	13 19 40
Lyme Regis	556	61	‡‡	—	—	—	—	29	62	77	0	— 8	17 18	12	15 5 40
10. IRELAND, S.															
Quilty	100	40	‡‡	—	—	17	1	70	75	15	7	— 11	17 7	16	17 6 50
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	15	1	70	67	30	0	SSE. 11	15 22	17	15 22 15
Weaver Pt.	160	30	‡‡‡	—	—	—	—	30	91	47	0	— 10	16 6	13	16 21 0
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	13	3	17	108	40	0	WNW. 14	13 21	21	13 20 45

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

ELEVENTH WEEK of 1917—March 11th to March 17th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	23	80·3	74·0	77·1	+ 0·2	9	0	30	− 1	6	+ 1	0·94	24	− 2	2·1	−0·8	18	1012
Eastern.																			
1. SCOTLAND, EAST ...	59	9	80·5	71·7	76·0	− 1·0	10	− 3	44	+ 9	4	0	0·30	8	− 6	4·3	+0·8	38	1012
2. ENGLAND, N.E.	56	25	81·3	73·4	77·3	− 0·6	14	− 5	35	+ 8	1	− 3	0·09	2	− 7	4·2	+0·2	36	1012
3. ENGLAND, EAST ...	59	26	81·3	73·6	77·3	− 0·8	14	− 9	34	+ 6	4	+ 1	0·71	18	+ 10	1·8	−2·0	16	1013
4. MIDLAND COUNTIES ...	58	25	82·0	73·7	77·7	− 0·5	17	− 7	34	+ 6	3	0	0·24	6	− 3	3·2	−0·3	28	1013
5. ENGLAND, S.E.	57	25	81·8	75·3	78·4	− 0·3	16	− 7	23	+ 2	3	0	0·60	15	+ 5	2·1	−1·7	18	1016
Western.																			
6. SCOTLAND, WEST ...	55	22	81·4	73·9	77·6	− 0·3	14	− 1	32	+ 8	3	− 1	0·19	5	− 14	4·8	+1·4	41	1012
7. ENGLAND, N.W.	54	23	81·3	74·1	77·6	− 0·7	14	− 4	30	+ 9	2	− 2	0·26	7	− 6	4·5	+1·1	39	1013
8. ENGLAND, S.W.	59	27	82·4	75·7	79·0	+ 0·1	27	+ 3	14	− 3	4	0	0·67	17	+ 3	4·1	+0·3	35	1014
9. IRELAND, NORTH ...	59	23	82·6	74·7	78·6	− 0·2	20	0	19	− 1	3	− 2	0·19	5	− 10	4·0	+0·9	35	1013
10. IRELAND, SOUTH ...	61	27	83·2	75·0	79·0	− 0·4	32	+ 5	18	+ 3	4	0	0·30	8	− 7	3·4	0·0	29	1015
11. ENGLISH CHANNEL ...	54	32	82·8	77·8	80·2	− 0·2	26	− 5	4	− 2	4	0	0·58	15	+ 4	4·3	−0·6	37	1014

THE SEASON (Spring).—Aggregates, &c., for the Period of 2 Weeks, March 4th, to March 17th, 1917.

0. SCOTLAND, NORTH ...	55	15	78·2	72·6	75·3	− 1·4	9	− 8	94	+ 29	9	− 1	1·10	28	− 27	2·2	−0·6	20	1009
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	77·5	70·0	73·7	− 3·1	10	− 13	136	+ 63	9	0	0·88	23	− 7	3·2	+0·6	29	1009
2. ENGLAND, N.E.	56	8	78·2	71·8	74·9	− 2·7	14	− 19	112	+ 56	6	− 2	0·82	21	0	2·7	−1·0	24	1008
3. ENGLAND, EAST ...	59	16	78·6	72·0	75·2	− 2·6	14	− 26	103	+ 45	8	+ 1	0·99	25	+ 6	1·8	−1·3	16	1008
4. MIDLAND COUNTIES ...	58	9	79·0	71·7	75·2	− 2·6	17	− 24	108	+ 48	8	+ 1	1·27	32	+ 11	2·3	−0·9	20	1007
5. ENGLAND, S.E.	57	18	79·8	73·4	76·5	− 1·9	16	− 26	74	+ 29	8	+ 1	1·26	32	+ 8	2·1	−1·5	18	1008
Western.																			
6. SCOTLAND, WEST ...	55	15	78·5	72·3	75·4	− 2·3	14	− 12	101	+ 50	6	− 3	0·84	21	− 22	2·8	−0·4	25	1008
7. ENGLAND, N.W.	54	12	78·6	72·3	75·4	− 2·6	14	− 17	98	+ 52	6	− 2	0·98	25	− 5	3·0	−0·3	26	1006
8. ENGLAND, S.W.	59	18	80·6	74·2	77·3	− 1·3	28	− 14	50	+ 12	10	+ 2	2·48	63	+ 28	3·2	−0·4	28	1005
9. IRELAND, NORTH ...	59	20	80·0	73·7	76·8	− 1·6	20	− 16	65	+ 21	8	− 2	1·15	29	− 4	2·9	−0·1	26	1005
10. IRELAND, SOUTH ...	61	23	81·3	74·4	77·7	− 1·4	36	− 13	49	+ 14	10	+ 2	2·02	52	+ 17	2·3	−1·2	21	1004
11. ENGLISH CHANNEL ...	54	29	82·0	76·6	79·2	− 0·9	39	− 17	27	+ 12	10	+ 1	1·64	42	+ 12	3·2	−1·2	28	1005

THE YEAR 1917.—Aggregates, &c., for the Period of 11 Weeks, December 31st, 1916, to March 17th, 1917.

0. SCOTLAND, NORTH ...	55	10	78·0	73·2	75·6	− 0·8	40	− 36	448	+ 63	46	−10	6·90	175	−155	1·6	+0·2	19	1015
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	77·3	71·7	74·5	− 1·6	31	− 55	610	+ 163	40	− 5	4·39	114	− 43	2·1	−0·1	23	1016
2. ENGLAND, N.E.	58	5	77·2	72·5	74·8	− 2·0	48	− 67	573	+ 212	39	− 3	4·69	119	+ 9	1·5	−0·8	16	1015
3. ENGLAND, EAST ...	59	5	77·1	72·4	74·8	− 2·0	47	− 84	579	+ 194	41	− 1	3·79	97	− 11	1·4	−1·1	15	1015
4. MIDLAND COUNTIES ...	58	4	77·1	71·8	74·5	− 2·3	53	− 89	629	+ 233	36	− 6	4·24	109	− 18	1·2	−1·0	13	1015
5. ENGLAND, S.E.	57	4	77·7	72·9	75·3	− 2·2	58	−101	521	+ 216	32	− 9	3·78	96	− 42	1·8	−0·6	19	1015
Western.																			
6. SCOTLAND, WEST ...	55	15	77·9	73·1	75·5	− 1·7	46	− 66	476	+ 166	35	−16	5·20	132	−136	1·7	−0·3	19	1016
7. ENGLAND, N.W.	58	9	77·6	72·7	75·2	− 2·2	54	− 69	536	+ 240	33	−12	4·70	120	− 58	1·8	−0·3	20	1015
8. ENGLAND, S.W.	59	4	78·1	73·4	75·7	− 2·4	88	− 98	468	+ 229	34	−12	5·73	145	− 67	2·3	−0·1	24	1015
9. IRELAND, NORTH ...	59	7	78·8	73·8	76·3	− 1·7	90	− 70	394	+ 135	42	−12	5·47	139	− 66	1·9	−0·2	21	1014
10. IRELAND, SOUTH ...	61	9	79·4	74·0	76·7	− 2·0	133	− 98	380	+ 177	42	− 7	6·49	166	− 61	2·1	−0·3	22	1015
11. ENGLISH CHANNEL ...	54	22	79·6	75·7	77·7	− 2·1	144	−129	260	+ 167	39	−12	5·59	142	− 37	2·4	−0·6	25	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : March 22nd, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C., and 28, ABINGDON STREET, LONDON, S.W.: 37, PETER STREET, MANCHESTER: 1, ST. ANDREW'S CRESCENT, CARDIFF: 23, FORTH STREET, EDINBURGH: or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 12.

THE TWELFTH WEEK OF 1917.
SUNDAY, MARCH 18TH, TO SATURDAY, MARCH 24TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The relative positions of the high and low pressure systems favoured Westerly winds until Monday, and subsequently North-West to North-East winds (strong to a gale at times on Tuesday), but by the end of the period there was a brief return of Westerly winds to Scotland.

The temperature of the sea surface water differed little from that of the preceding week and was below the normal very generally as well as lower than that of the air. The mean temperature of the water at Scilly was 281 a. whence it decreased to 277·5 a. at Lerwick, and 277 a. at Eastbourne. With the westerly wind current early in the week the air temperature reached its highest point—about 287 a.—in all the more southern districts, but in many localities in the north and north-west the warmest weather accompanied the Westerly wind at the end of the week. The lowest minimum readings were registered on the 22nd, 23rd, or 24th. Several places had a reading below 268 a., and the lowest value of all was 264·5 a. at Raunds (Northants). The Northerly wind current was cold generally, and for the whole period temperature was below the normal in all parts of England and about equal to normal in Ireland and Scotland, the greatest deviation being −2·3 a. in England South.

Precipitation—frequently in the form of snow showers—occurred on most days, but was nowhere very heavy. In England South-West and Ireland South it was light. Thunder and lightning accompanied some snow showers at Shoeburyness on the 22nd. Several days furnished good totals of intermittent sunshine, and in some English and Irish districts the normal was exceeded. In England South-West the mean daily amount was 5·8 hr., or 1·4 hr. in excess of the normal. In the north of Scotland on the other hand, the mean daily allowance was as little as 1·6 hr., showing a deficit of 1·5 hr. per day.

Aurora was observed at Lerwick on the night of the 19th.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	3	4·5	4	3·6	1	2·0	1	2·5	1	4·1	0	—	2	3·0	1	5·2
North	4	8·5	3	4·8	6	4·2	6	4·0	5	6·5	7	6·4	4	5·9	6	5·4
West	6	6·2	6	5·6	3	4·0	3	4·3	4	5·7	3	6·4	4	7·9	4	3·7
East	¼	2·9	1	0·5	3	4·5	3	1·7	2	4·2	4	4·0	2	2·7	2	2·1
Calm	0	—	0	—	0	—	0	—	0	—	0	—	¼	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Light	Moderate
	Sunshine ...	Scanty	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 3 weeks from Mar. 4th, 1917.	Warmth ...	0, 2, 1	0, 1, 2	0, 0, 3	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2	0, 2, 1	0, 2, 1	0, 1, 2
	Rainfall ...	0, 2, 1	0, 3, 0	1, 1, 1	1, 2, 0	1, 2, 0	1, 2, 0	0, 2, 1	0, 2, 1	1, 1, 1	1, 1, 1	1, 0, 2	1, 2, 0
	Sunshine ...	0, 2, 1	1, 0, 2	0, 2, 1	0, 1, 2	0, 2, 1	1, 0, 2	1, 1, 1	2, 0, 1	1, 1, 1	0, 2, 1	1, 1, 1	0, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F	in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.	54	46	18, 23, 24	28	22nd	42·1	35·0	‡8·5	- 0·1	7	1·06	27	+ 10									
a, Islands.. *a* Lerwick	160	48	23, 24	31	21, 22	42·9	35·3	39·0	—	6	0·67	17	+ 2	Deerness	2·7	- 0·6	23	•	•	•	•	•	•
p Deerness	51	52	24th	30	19th	45·6	34·9	40·1	+ 0·2	7	1·24	31	+ 8	Stornoway	1·2	- 2·3	10	•	•	•	•	•	•
a Stornoway	37	50	23rd	34	20, 22	46·4	38·1	42·1	+ 0·5	7	0·46	12	—	Castlebay	2·1	—	18	•					
a Castlebay, Barra Isd.																							
b, Mainland. *a* Wick	81	53	24th	28	22nd	44·0	33·7	38·7	- 0·7	6	0·53	14	+ 1	Fort Augustus..	1·0	- 1·8	8	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	47	24th	28	21, 22	42·4	33·6	37·9	- 1·0	7	1·86	47	+ 4										
p Fort Augustus	68	50	24th	27	22nd	45·1	34·3	39·5	- 0·4	7	0·99	25	+ 5										
p Fort William	171	50	24th	26	22nd	44·6	34·3	39·3	- 1·5	7	1·03	26	- 10										
1. SCOTLAND, E.																							
a Nairn	82	52	24th	30	22nd	44·7	33·9	39·1	- 0·8	6	0·95	24	+ 13	Nairn	2·1	—	18	•	•	•	•	•	•
p Gordon Castle	101	53	24th	29	21st	45·4	34·1	39·6	- 0·9	7	0·43	11	- 2	Gordon Castle..	2·1	—	18	•	•	•	•	•	•
a Aberdeen	46	55	24th	29	22nd	45·3	34·4	39·7	- 0·7	6	0·37	9	- 5	Aberdeen	2·4	- 1·7	20	2	26	•	•	38·6	-1·1
a Balmoral	930	48	24th	24	22nd	39·7	30·3	34·9	- 1·5	5	0·47	12	- 5	Balmoral	•	•	•	5	22	•	•	•	•
p Crieff	432	53	24th	25	22nd	45·9	30·6	38·0	- 2·5	6	0·30	8	- 10	Crathes	1·9	- 2·0	16	7	17	36·4	-2·1	36·8	-1·9
a Dundee	244	54	18th	28	22nd	45·4	33·1	39·1	—	4	0·11	3	- 9	Dundee	4·1	—	34	5	24	37·4	•	•	•
a Leith	18	53	24th	31	22nd	45·0	35·4	40·1	- 1·6	3	0·11	3	- 7	Leith	•	•	•	2	27	•	•	•	•
a Edinburgh	441	52	24th	27	22nd	43·7	33·4	38·4	—	3	0·06	2	—	Edinburgh	3·5	- 0·5	29	4	22	•	•	•	•
a West Linton	769	49	24th	25	22nd	41·6	31·9	36·6	- 0·7	4	0·45	11	—	West Linton	2·2	—	18	4	20	•	•	•	•
p Marchmont	498	52	24th	28	21, 22	43·7	32·9	38·1	- 1·3	4	0·18	5	- 10	Marchmont	3·1	- 0·7	26	4	26	•	•	•	•
6. *a* SCOTLAND, W.																							
a Poltalloch	132	50	18th	—	—	44·4	—	—	—	5	0·80	20	- 1										
p Glasgow Observatory	180	49	18, 24	29	22nd	44·0	34·9	39·3	- 1·7	5	0·47	12	- 3	Glasgow	3·5	+ 0·4	29	3	22	•	•	•	•
p Rothesay	170	50	18, 24	33	21st	46·1	36·6	41·2	- 0·4	6	0·56	14	- 6	Rothesay	3·9	—	33	2	24	40·3	•	41·3	-0·6
a Kilmarnock	90	52	18th	25	22, 24	46·7	32·3	39·3	- 1·2	6	0·64	16	+ 1	Kilmarnock	3·8	—	32	3	22	39·3	•	39·9	•
a Colmonell	170	50	18th	29	22nd	46·3	35·0	40·5	- 0·6	6	0·53	13	- 5	Colmonell	•	•	•	2	24	•	•	•	•
p Cally, Gatehouse	120	50	24th	25	22nd	45·6	33·3	39·3	- 1·6	4	0·67	17	- 4	Dumfries	3·9	—	33	5	22	37·9	•	38·9	•
a Dumfries	160	50	18, 24	28	24th	46·3	33·0	39·5	- 1·7	3	0·70	18	+ 3	Eskdalemuir	3·8	—	32	4	21	•	•	•	•
a Eskdalemuir	794	50	24th	24	22, 23	42·1	30·3	36·0	—	3	0·63	16	—										
b, I. OF MAN *p* Douglas	277	51	24th	28	22nd	46·1	34·9	40·3	- 1·5	3	0·28	7	- 9	Douglas	4·6	- 0·1	38	2	24	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	53	24th	29	22nd	45·6	34·7	40·0	- 0·5	4	0·30	8	— 5										
a Tynemouth	71	54	24th	31	22nd	44·1	35·1	39·5	- 1·3	4	0·59	15	+ 5	Cockle Park	3·6	- 0·9	30	5	23	37·7	-0·8	38·9	-0·7
p Durham	336	54	24th	27	22nd	44·0	32·0	37·8	- 2·6	6	0·63	16	+ 6	Durham	4·0	0·6	33	5	23	•	•	•	•
a North .. *p* Rounton	249	51	18, 19	19	23rd	43·6	30·6	36·9	- 3·3	4	0·43	11	+ 1	Rounton	•	•	•	6	15	37·6	•	•	•
a West Witton	605	54	24th	27	22nd	41·4	33·1	38·6	—	5	0·36	9	—	West Witton				5	24	36·8	•	37·0	•
p Scarborough	100	55	18th	30	22nd	47·3	34·6	40·8	- 0·9	6	0·86	22	+ 12	Scarborough†	4·0	- 0·4	33	•	•	•	•	42·0	•
p York	56	52	18th	22	23rd	45·1	33·0	38·9	- 3·0	4	0·34	9	- 1	York	4·1	+ 0·4	34	•	•	39·1	-1·2	39·7	-1·2
b, South .. *a* Spurn Head	26	47	18, 19	30	22, 24	42·0	33·3	37·5	- 3·9	3	0·28	7	- 1	Spurn Head	2·9	—	24	•	•	•	•	•	•
a Lincoln	58	52	18th	28	24th	45·7	34·4	39·9	- 2·1	5	0·43	11	+ 2	Lincoln	•	•	•	•	•	38·6	-0·9	39·8	-0·7
a Fulbeck	180	51	18, 19	22	24th	44·1	31·3	37·5	- 4·4	5	0·25	6	- 4	Ranceby	3·4	- 1·1	28	5	16	39·3	-2·3	40·5	-1·8
														Skegness	4·0	- 0·8	33	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	51	18, 19	26	24th	43·1	32·9	37·9	- 3·6	4	0·25	6	- 4	Cromer	3·5	- 1·0	29	•	•	•	•	•	•
p Little Massingham	280	51	18th	22	24th	42·4	29·9	36·0	- 5·5	5	0·49	13	- 1	Lit. Massingham	4·3	+ 0·2	36	5	21	•	•	•	•
a Yarmouth	13	?53	18th	30	22, 24	43·7	33·6	38·5	- 2·5	4	0·43	11	- 1	Yarmouth	4·4	—	37	4	27	39·0	-2·5	42·1	-0·9
a Norwich	93	53	18th	23	24th	43·9	32·1	37·8	- 4·2	4	0·73	19	+ 5	Norwich	3·9	—	35	4	18	39·0	•	•	•
a Geldeston	37	55	18th	24	22, 24	45·3	30·6	37·7	- 4·1	4	0·44	11	- 1	Geldeston	4·1	- 0·3	34	•	•	•	•	•	•
p Cambridge	41	55	18th	20	24th	44·6	31·3	37·8	- 4·3	4	0·42	11	+ 1	Cambridge	3·6	- 0·7	30	6	15	40·2	-1·5	41·6	-1·2
a Clacton-on-Sea	54	54	18th	27	24th	43·7	32·6	38·0	- 3·4	3	0·28	7	- 3	Clacton	5·0	+ 0·3	42	3	23	40·1	-2·0	42·4	-1·5
a Rothamsted	424	52	18th	21	24th	43·3	30·0	36·5	- 4·8	5	0·28	7	- 7	Rothamsted	3·6	- 0·5	30	7	15	38·2	•	•	•
p Tottenham	51	53	18th	28	23, 24	45·3	34·1	39·5	—	5	0·16	4	—	Tottenham	4·6	—	38	3	22	•	•	41·8	-1·1
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	50	24th	23	23rd	43·3	31·9	37·4	- 2·5	5	0·61	15	+ 5	Harrogate	4·1	0·0	34	5	20	38·1	-1·3	39·0	-1·1
p Sheffield	429	51	18th	27	23rd	43·7	32·7	38·0	—	5	0·45	12	—	Sheffield	2·6	- 1·0	22	4	20	37·9	-1·3	38·4	-1·9
p Buxton	987	48	18th	23	23rd	41·1	30·4	35·6	—	5	0·60	15	- 7	Buxton	3·4	—	28	6	29	37·0	-1·4	37·9	-2·5
b, East .. *a* Bawtry	65	51	18th	23	23, 24	46·3	31·7	38·8	- 2·8	4	0·27	7	- 2	Worksop	3·2	- 0·4	27	5	17	39·6	•	40·0	•
a Nottingham	82	52	18th	23	24th	45·0	32·7	38·7	- 2·7	5	0·33	8	- 1	Nottingham	3·3	- 0·4	28	5	19	38·0	-1·6	37·6	-2·1
p Birmingham, Edgbsn.	535	51	18th	25	22nd	43·9	31·6	37·6	- 3·8	5	0·39	10	- 1	Birmingham	2·8	- 0·2	23	6	13	38·5	-1·8	41·4	-1·3
a Raunds	203	54	18th	17	24th	45·1	29·1	36·9	- 4·5	4	0·28	7	- 2	Raunds	•	•	•	7	10	39·6	•	41·0	•
p Oxford	208	54	18th	23	24th	45·1	31·9	38·3	- 3·8	5	0·24	6	- 4	Oxford	3·5	- 0·4	29	4	17	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.)	646	?52	18th	24	22nd	41·7	30·7	37·5	- 2·7	3	0·27	7	- 6	Cheadle	•	•	•	6	19	•	•	•	•
p Shrewsbury	191	53	19th	25	22, 24	46·1	31·9	38·8	- 3·3	4	0·72	18	+ 9	Shrewsbury	•	•	•	5	23	•	•	•	•
a Hereford§	291	55	18th	22	24th	46·7	31·7	39·0	- 3·1	3	0·55	14	+ 4	Malvern§	5·5	—	46	2	20	38·9	•	39·9	•
a Clifton	229	54	18th	25	24th	45·9	32·9	39·2	- 3·5	4	0·50	13	- 3	Clifton	4·5	+ 0·1	38	4	23	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	55	18th	21	24th	43·9	29·3	36·4	- 4·4	6	0·76	19	+ 4	Worthing	6·3	+ 1·4	53	4	19	40·7	-1·7	42·5	-1·2
p Salisbury (Wilton)	180	55	18th	22	24th	45·7	28·9	37·1	- 4·5	4	0·67	17	+ 1	Marlborough	2·9	- 0·8	24	5	16	40·9	•	42·6	•
a Wisley, Surrey	150	54	18th	23	24th	45·0	32·4	38·5	- 3·5	4	0·16	4	- 7	Salisbury	•	•	•	5	18	41·3	•	•	•
a Tunbridge Wells	354	56	18th	25	23, 24	46·3	31·3	38·6	- 3·1	4	0·29	7	- 7	Wisley	3·5	- 0·6	29	6	10	40·2	-1·3	41·6	-1·2
a Margate	53	50	18, 19	31	23rd	42·1	34·0	37·9	- 4·7	4	0·43	12	+ 2	Tunbridge Wells	5·1	+ 0·6	43	5	17	41·0	+0·2	41·7	•
														Margate	5·0	+ 0·5	42	3	27	40·2	-1·4	41·7	-0·5
a Dungeness	21	50	18, 19, 24	23	23rd	45·3	31·7	38·3	- 3·5	4	0·35	9	- 2	Dover	6·0	—	50	3	26	•	•	•	•
p St. Leonards	178	55	18th	26	23rd	44·6	32·6	38·4	- 4·1	5	0·45	11	- 2	St. Leonards	6·5	+ 1·7	54	3	24	41·1	•	41·7	•
p Southampton	64	56	18th	24	24th	46·0	32·6	39·1	- 4·6	4	0·68	17	+ 3	Southampton	4·6	+ 0·1	38	6	9	•	•	•	•
a Ventnor	59	55	18th	27	24th	46·6	33·9	40·1	- 3·9	4	0·71	18	+ 6	Ventnor	6·2	+ 1·2	52	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	54	18th	26	24th	44·8	32·9	38·7	- 3·8	5	0·20	5	- 5	Richmond	4·1	+ 0·3	34	4	21	40·1	-1·5	41·9	-1·4
a Westminster	27	54	18th	29	24th	45·9	34·7	40·1	- 3·1	4	0·24	6	- 4	Westminster	3·4	+ 0·6	28	3	24	•	•	•	•
a Greenwich	155	54	18th	25	24th	45·6	32·9	39·1	- 4·3	4	0·14	4	- 5	Greenwich	4·7	+ 1·3	39	4	20	•	•	•	•
a Hampstead	450	52	18th	23	24th	43·1	30·0	36·4	—	6	0·17	4	—	Hampstead	4·6	—	38	7	17	•	•	•	•
a Camden Square	110	55	18th	25	24th	46·6	32·4	39·3	- 3·8	4	0·24	6	- 5	Camden Square	3·9	+ 0·7	33	4	22	•	•	•	•
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	18th	25	22nd	42·0	‡31·0	36·3	- 4·3	3	0·43	11	- 5	Aspatria	2·4	- 1·8	20	5	20	38·0	•	39·7	•
p Newton Rigg	559	49	18, 24	26	22nd	44·4	32·3	38·2	- 1·5	4	0·33	9	- 6	Newton Rigg	3·2	- 0·8	27	4	21	38·8	-1·2	38·6	-1·5
p Stonyhurst	377	50	24th	27	22nd	44·6	33·6	38·9	- 1·7	3	0·58	15	- 4	Stonyhurst	5·0	+ 1·2	42	4	21	•	•	•	•
p Blackpool	66	47	18, 19	30	22nd	45·0	34·7	39·7	- 1·7	4	0·57	15	+ 3	Blackpool	5·1	+ 0·5	43	4	24	40·0	•	41·0	•
a Southport	37	47	18, 19	29	22nd	44·0	34·4	39·1	- 2·6	4	0·61	16	+ 4	Southport	5·1	+ 0·7	43	4	23	39·5	-1·6	39·1	-2·5
														Hoylake	5·1	+ 0·9	43	•	•	•	•	•	•
a Liverpool (Bidston)	188	50	19th	29	22nd	43·4	34·4	38·8	- 3·4	5	0·71	18	+ 8	Liverpool	4·5	—	38	6	25	•	•	•	•
a Hawarden Bridge	22	51	18, 19	28	22nd	45·6	35·6	40·5	- 2·4	4	0·55	14	+ 4	Manchester (City)	4·2	+ 1·2	35	2	26	38·3	-1·4	40·0	-1·9
p Manchester (Whit. Pk.)	125	50	18th	29	23rd	45·0	34·4	39·5	- 3·0	4	0·16	4	- 8	Whitworth Park	3·2	+ 0·5	27	-	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	71	48	18, 19	31	24th	45·0	35·6	40·2	- 2·9	4	0·25	6	- 5	Llandudno	5·3	+ 0·8	44	•	•	•	•	•	•
a Holyhead	15	52	18th	32	22nd	47·3	37·7	42·4	- 0·4	5	0·25	6	- 8	Holyhead	5·1	—	43	1	29	•	•	•	•
p Bettws-y-Coed	148	52	18th	30	22-24	47·0	34·0	40·3	- 1·7	5	0·90	23	—	Bettws-y-Coed.	4·7	—	39	•	•	40·0	-1·9	41·9	-0·9
p Aberdovey	22	50	20th	30	22nd	47·0	36·9	41·8	—	5	0·40	10	—	Aberdovey	5·4	+ 1·0	45	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	—		29	22nd	—	35·7	—	—	4	0·28	7	—	Aberystwyth ..	5·3	+ 1·0	41	*	*	*	*	*	*
a Rhayader	757	48	19th	25	24th	43·3	32·0	37·5	—	4	0·48	12	—	Rhayader ..	5·7	—	48	4	22	*	*	*	*
a St. Ann's Head	149	48	24th	29	22nd	45·1	35·9	40·4	- 2·3	4	0·19	5	- 9	St. Ann's Head ..	5·6	+ 0·9	47	*	*	*	*	*	*
p Cardiff	202	54	18th	26	24th	46·4	33·1	39·6	- 2·4	3	0·17	4	- 13	Cardiff	5·5	—	46	4	17	41·0	0·0	42·0	−0·5
b, ENGLAND, S.W.																							
a Bath	66	55	18th	22	24th	46·9	32·3	39·4	- 3·0	4	0·46	12	- 1	Bath	*	*	*	*	*	41·3	-1·7	41·9	-2·0
a Shaftesbury	722	51	18th	24	22, 24	43·1	30·0	36·4	- 4·6	4	0·37	9	- 5	Shaftesbury ..	*	*	*	*	*	40·2	*	41·0	*
a Arlington	613	50	18th	23	24th	43·6	32·4	37·8	- 3·5	3	0·17	4	- 18										
a Newquay	190	51	19th	26	24th	45·1	35·7	40·3	- 3·8	3	0·25	6	- 8	Newquay ..	6·0	+ 1·2	50	*	*	44·4	*	44·5	*
a Cullompton	202	55	18th	23	24th	47·0	33·0	39·8	- 2·9	5	0·26	7	- 8	Cullompton ..	4·9	+ 0·6	41	4	16	42·8	*	*	*
a Portland Bill	19	50	18th	28	22, 23	43·9	34·7	39·2	- 4·0	4	0·24	6	- 5	Weymouth ..	4·9	—	41	*	*	*	*	*	*
p Plymouth	116	53	19th	28	24th	47·1	35·6	41·2	- 2·8	3	0·13	3	- 13	Plymouth ..	6·2	+ 1·5	52	*	*	42·8	-1·4	44·0	*
a Falmouth	167	54	19th	29	24th	47·6	34·9	41·1	- 3·1	3	0·19	5	- 14	Falmouth ..	7·2	+ 2·2	60	3	20	45·1	*	45·3	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	48	18, 24	34	22nd	45·7	38·3	41·9	+ 0·1	6	0·33	8	- 5	Malin Head ..	3·4	—	28	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	51	24th	34	22nd	47·1	38·7	42·8	- 0·4	7	0·44	11	- 11	Markree Castle	3·6	- 0·3	30	3	28	42·9	*	42·4	*
{ *p* Markree Castle ..	122	55	18th	34	19, 21, 22	49·9	36·3	42·9	+ 1·2	5	0·46	12	- 6										
b, East .. { *p* Armagh	196	54	18, 24	25	22nd	49·0	34·0	41·3	- 0·3	5	0·39	10	- 3	Armagh	4·2	+ 0·4	35	1	19	41·8	-0·5	42·4	-0·9
{ *a* Donaghadee	101	52	24th	33	22nd	46·3	36·9	41·5	- 0·5	5	0·56	14	+ 2										
10. IRELAND, S.																							
p Dublin, City	47	54	24th	32	22nd	48·1	37·0	42·4	- 1·2	6	0·27	7	- 4	Dublin City ..	*	*	*	0	31	*	*	*	*
a Birr Castle	175	53	18, 24	31	22, 23	49·7	34·6	41·9	0·0	6	0·30	8	- 5	Trinity Coll. ..	*	*	*	*	*	*	*	*	*
a Kilkenny	212	58	18th	29	22nd	49·7	35·3	42·3	- 0·1	6	0·26	7	- 6	Phœnix Park ..	5·0	+ 0·7	42	4	25	*	*	*	*
a Waterford	20	55	24th	31	22nd	51·0	37·1	43·8	+ 0·2	4	0·17	4	- 11	Birr Castle ..	4·5	+ 0·6	38	5	26	*	*	*	*
a Seskin, Carrick-on-Suir	541	52	18, 24	27	22nd	47·3	34·1	40·5	—	5	0·27	7	—	Seskin	5·2	—	43	4	24	*	*	*	*
a Cahir	199	54	24th	28	22nd	50·0	36·4	43·0	+ 0·3	6	0·39	10	—										
a Foynes	50	53	24th	34	22nd	49·6	39·3	44·3	+ 0·6	4	0·22	6	- 10										
a Cahirciveen (Val. Obs.)	30	53	18th	36	22, 23	49·4	40·4	44·8	0·0	4	0·21	5	- 19	Cahirciveen ..	4·6	+ 0·3	38	0	34	*	*	*	*
a Killarney	174	56	18, 24	32	22nd	51·2	38·9	44·9	+ 0·9	7	0·27	7	- 18	Ballinacurra ..	5·0	+ 0·2	42	*	*	*	*	*	*
a Roche's Point	32	54	24th	32	22nd	49·7	38·3	43·8	- 0·3	5	0·20	5	- 11										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	18th	34	24th	47·3	39·4	43·2	- 2·6	4	0·24	6	- 9	Scilly	5·7	+ 1·0	48	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	52	18th	30	22, 23	44·7	34·6	39·5	- 5·7	5	0·88	22	+ 7	St. Heliers ..	5·4	+ 0·4	45	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	52	18th	31	22nd	45·6	36·9	41·1	- 4·4	4	0·56	14	- 2	Guernsey† ..	5·5	+ 0·5	46	3	25	43·0	-2·1	44·8	-0·8

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 24th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.						
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	h.	m.
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	18	111	21	18	—	8	20 12	19	20	12	35
Aberdeen	153	105	52	—	—	—	—	71	82	15	0	W. by N.	11	18 15	19	19	12	0
Edinburgh	485	39	31	19	1	18, 19	8	103	46	10	0	SW.	17	19 3	28	19	2	55
6 SCOTLAND, W.																		
Eskdalemuir	825	50	22	19	2	18 to 20, 22	30	75	41	20	0	SW. by W.	18	19 2	25	19	15	50
Paisley	188	81	52	—	—	—	—	54	88	26	0	WNW.	9	19 16	26	19	16	25
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	20, 22	4	78	71	15	0	N.	11	20 12	22	19	4	45
South Shields	72	61	12	—	—	19, 20	12	85	67	4	0	WNW.	14	19 16	22	19	10	40
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
3. ENGLAND, E.																		
Gorleston	52	42	‡	—	—	20, 23	10	81	68	9	0	—	13	23 5	21	22	13	15
Shoeburyness	103	90	‡	—	—	20	7	107	54	0	0	NNW.	13	20 5	24	19	17	30
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	19, 20	11	67	68	22	0	WSW.	12	19 14	21	19	13	55
5. ENGLAND, S.E.																		
Dover	271	40	‡	—	—	19 to 21, 23, 24	25	85	10	3	45	—	14	19 13	24	20	—	—
Warlingham	642	33	‡	—	—	—	—	34	115	19	0	—	8	20 21	21	22	14	45
Brighton	261	53	6	—	—	19, 20	5	48	114	1	0	—	12	20 17	20	20	15	40
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	69	94	5	0	N.	11	20 20	22	21	14	30
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	64	73	31	0	SW. by W.	11	19 20	18	19	19	35
Southport	80	62	48	19, 20	5	18 to 20, 22	35	78	49	1	0	WSW.	19	19 9	29	19	22	5
Holyhead	60	40	‡	19, 20	8	18 to 22	57	53	36	14	0	W. by N.	20	19 22	29	19	22	35
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	—	—	19, 20, 22	33	78	45	9	3	N.	16	20 14	28	20	1	35
Plymouth	185	88	2	—	—	19, 20	4	74	76	14	0	—	13	20 12	23	20	11	50
Lyme Regis	556	61	‡	—	—	19, 20	14	71	62	10	11	—	16	20 1	25	20	1	5
10. IRELAND, S.																		
Quilty	100	40	‡	19	1	18 to 21	36	86	34	11	0	—	18	19 22	24	19	22	0
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	19, 20	17	95	53	3	0	N. by W.	13	20 14	22	19	19	5
Weaver Pt.	160	30	‡	—	—	19 to 22	29	72	53	14	0	—	17	19 24	26	19	23	25
11. ENGLISH CHANNEL.																		
Scilly	150	32	‡	19, 20	6	19, 20, 22	35	62	54	11	0	NW. by N.	19	20 2	27	20	2	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWELFTH WEEK of 1917—March 18th to March 24th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	26	79·7	74·3	76·9	− 0·3	6	− 7	27	− 1	7	+ 2	1·12	28	+ 4	1·6	−1·5	14	1015
Eastern.																			
1. SCOTLAND, EAST ...	55	24	79·6	73·5	76·5	− 0·8	5	− 12	32	+ 1	5	+ 1	0·41	10	− 4	2·9	−1·0	24	1016
2. ENGLAND, N.E.	55	19	80·0	73·7	76·8	− 1·3	7	− 13	32	+ 7	5	+ 1	0·45	12	+ 2	3·9	−0·5	32	1017
3. ENGLAND, EAST ...	55	20	79·7	72·9	76·2	− 2·1	6	− 20	36	+ 11	4	0	0·39	10	− 2	4·1	−0·1	35	1016
4. MIDLAND COUNTIES ...	55	17	80·4	72·8	76·5	− 1·7	9	− 17	38	+ 11	4	0	0·42	11	0	3·4	−0·4	29	1018
5. ENGLAND, S.E.	56	21	80·2	73·0	76·5	− 2·3	8	− 18	36	+ 16	4	0	0·47	12	0	5·0	+0·7	42	1017
Western.																			
6. SCOTLAND, WEST ...	52	25	80·7	74·3	77·4	− 0·7	11	− 8	28	+ 6	5	+ 1	0·58	15	− 5	4·1	+0·2	34	1018
7. ENGLAND, N.W.	52	25	80·2	74·3	77·2	− 1·2	8	− 12	28	+ 7	4	0	0·48	12	− 1	4·5	+0·5	38	1019
8. ENGLAND, S.W.	55	22	80·4	73·8	77·0	− 2·0	10	− 15	31	+ 14	4	0	0·27	7	− 10	5·8	+1·4	49	1020
9. IRELAND, NORTH ...	55	25	81·9	75·5	78·6	0·0	24	+ 2	15	− 5	6	+ 1	0·41	10	− 6	3·9	+0·1	33	1021
10. IRELAND, SOUTH ...	58	28	82·9	76·1	79·4	0·0	29	+ 1	13	− 2	5	+ 1	0·25	7	− 10	4·8	+0·6	40	1024
11. ENGLISH CHANNEL ...	53	30	80·7	75·8	78·2	− 2·3	11	− 19	19	+ 14	4	0	0·56	14	− 1	5·5	+0·6	46	1021

THE SEASON (Spring).—Aggregates, &c., for the Period of 3 Weeks, March 4th, to March 24th, 1917.

0. SCOTLAND, NORTH ...	55	15	78·7	73·1	75·8	− 1·1	15	− 15	121	+ 28	16	+ 1	2·22	56	− 23	2·0	−0·9	18	1011
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	78·2	71·2	74·6	− 2·4	15	− 25	168	+ 64	14	+ 1	1·29	33	− 11	3·1	−0·4	27	1011
2. ENGLAND, N.E.	56	8	78·8	72·4	75·5	− 2·3	21	− 32	144	+ 63	11	− 1	1·27	33	+ 2	3·1	−0·8	27	1011
3. ENGLAND, EAST ...	59	16	79·0	72·3	75·5	− 2·5	20	− 46	139	+ 56	12	+ 1	1·38	35	+ 4	2·6	−1·2	22	1010
4. MIDLAND COUNTIES ...	58	9	79·4	72·0	75·6	− 2·3	26	− 41	146	+ 59	12	+ 1	1·69	43	+ 11	2·6	−0·8	23	1011
5. ENGLAND, S.E.	57	18	79·9	73·2	76·5	− 2·0	24	− 44	110	+ 45	12	+ 1	1·73	44	+ 8	3·0	−0·8	26	1011
Western.																			
6. SCOTLAND WEST ...	55	15	79·2	73·0	76·0	− 1·8	25	− 20	129	+ 56	11	− 2	1·42	36	− 27	3·2	−0·2	29	1011
7. ENGLAND, N.W.	54	12	79·1	73·0	76·0	− 2·1	22	− 29	126	+ 59	10	− 2	1·46	37	− 6	3·5	+0·1	30	1010
8. ENGLAND, S.W.	59	18	80·5	74·1	77·2	− 1·5	38	− 29	81	+ 26	14	+ 2	2·75	70	+ 18	4·1	+0·2	35	1010
9. IRELAND, NORTH ...	59	20	80·6	74·3	77·4	− 1·1	44	− 14	80	+ 16	14	− 1	1·56	39	− 10	3·3	0·0	28	1010
10. IRELAND, SOUTH ...	61	23	81·8	74·9	78·3	− 0·9	65	− 12	62	+ 12	15	+ 3	2·27	59	+ 7	3·2	−0·6	27	1011
11. ENGLISH CHANNEL ...	54	30	81·5	76·3	78·8	− 1·4	50	− 36	46	+ 26	14	+ 1	2·20	56	+ 11	4·0	−0·6	34	1010

THE YEAR 1917.—Aggregates, &c., for the Period of 12 Weeks, December 31st, 1916, to March 24th, 1917.

0. SCOTLAND, NORTH ..	55	10	78·1	73·3	75·7	− 0·8	46	− 43	475	+ 62	53	− 8	8·02	203	−151	1·7	−0·1	18	1015
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	77·5	71·8	74·7	− 1·5	36	− 67	642	+ 164	45	− 4	4·80	124	− 47	2·1	−0·3	23	1016
2. ENGLAND, N.E.	58	5	77·4	72·6	75·0	− 1·9	55	− 80	605	+ 219	44	− 2	5·14	131	+ 11	1·7	−0·8	18	1015
3. ENGLAND, EAST ..	59	5	77·4	72·4	74·9	− 2·0	53	−104	615	+ 205	45	− 1	4·18	107	− 13	1·6	−1·0	17	1015
4. MIDLAND COUNTIES ...	58	4	77·4	71·9	74·7	− 2·2	62	−106	667	+ 244	40	− 6	4·66	120	− 18	1·4	−0·9	14	1015
5. ENGLAND, S.E.	57	4	77·9	72·9	75·4	− 2·2	66	−119	557	+ 232	36	− 9	4·25	108	− 42	2·1	−0·5	21	1015
Western.																			
6. SCOTLAND, WEST ...	55	15	78·2	73·2	75·7	− 1·6	57	− 74	504	+ 172	40	−15	5·78	147	−141	1·9	−0·2	21	1016
7. ENGLAND, N.W.	58	9	77·8	72·8	75·3	− 2·2	62	− 81	564	+ 247	37	−12	5·22	133	− 58	2·0	−0·3	22	1015
8. ENGLAND, S.W.	59	4	78·3	73·4	75·9	− 2·3	98	−113	499	+ 243	38	−12	6·00	152	− 77	2·6	0·0	27	1015
9. IRELAND, NORTH ...	59	7	79·1	73·9	76·5	− 1·5	114	− 68	409	+ 130	48	−11	5·88	149	− 72	2·1	−0·1	22	1015
10. IRELAND, SOUTH ...	61	9	79·7	74·2	76·9	− 1·9	162	− 97	393	+ 175	47	− 6	6·74	173	− 71	2·3	−0·2	24	1016
11. ENGLISH CHANNEL ...	54	22	79·7	75·7	77·7	− 2·2	155	−148	279	+ 181	43	−12	6·15	156	− 39	2·4	−0·7	27	1015
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : March 29th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C 2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

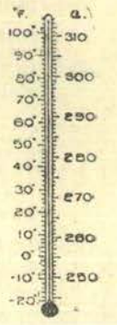
FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 13.

THE THIRTEENTH WEEK OF 1917.
SUNDAY, MARCH 25TH, TO SATURDAY, MARCH 31ST.

Price 6d., Post free 7d
Annual Subscription
Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

Throughout the week the weather was of an extremely unsettled type with frequent hail and snow showers. The North-Westerly and Northerly winds which prevailed at first gave place later to Westerly winds. Temperature was generally low and although the setting in of the Westerly wind on Wednesday led to some rise this proved to be only of a temporary nature. The highest readings recorded reached 283 a. over the whole country while 287 a. was just touched at one or two stations, these extremes generally occurring on Sunday the 25th or Wednesday the 28th. Night frosts were experienced almost universally, the lowest reading recorded being 266 a. both at Balmoral and at Birr Castle. Sea temperature had not changed from the preceding week and remained below normal. In the intervals between the showers there were considerable periods of bright sunshine so that the duration of sunshine for the week did not depart greatly from the normal. Scotland West showed some excess with 5·3 hours per day and Scotland North a deficit with 2·5 hours. Precipitation ranged from 32 mm. in Scotland North and 25 mm. in both England North-West and the English Channel to 11 mm. in the Midland Counties. In England East the rainfall amounted to more than 200 per cent. of the normal. Thunder was heard at several stations in England and Wales on the 29th and 30th.



It may be of interest to notice that since the beginning of December there has only been one week (the first of 1917) in which the warmth over England was classed as "unusual". For England North-East there have been three weeks with warmth "moderate" and thirteen with warmth "deficient" during the period. For further evidence of the severity of the winter the figures showing accumulated temperature on the last page of this report may be consulted

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	2	4·0	4	4·0	2	2·2	3	2·3	3	4·0	—	—	3	3·3	2	2·5
North	5	9·8	3	4·1	3	4·8	4	3·9	4	5·1	—	—	4	4·9	4	5·4
West	7	5·4	6	5·2	4	3·6	5	3·2	5	6·3	—	—	6	7·2	4	5·3
East	¼	9·7	¼	1·3	1	5·3	1	0·9	2	4·0	—	—	1	2·8	2	1·8
Calm	0	—	0	—	0	—	0	—	0	—	—	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Heavy
	Sunshine ...	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 4 weeks from Mar. 4th, 1917.	Warmth ...	0, 2, 2	0, 1, 3	0, 0, 4	0, 1, 3	0, 1, 3	0, 1, 3	0, 1, 3	0, 1, 3	0, 1, 3	0, 2, 2	0, 2, 2	0, 1, 3
	Rainfall ...	1, 2, 1	0, 4, 0	2, 1, 1	2, 2, 0	1, 3, 0	1, 3, 0	0, 3, 1	1, 2, 1	1, 2, 1	1, 2, 1	1, 1, 2	2, 2, 0
	Sunshine ...	0, 2, 2	1, 1, 2	0, 3, 1	0, 1, 3	0, 3, 1	1, 0, 3	1, 2, 1	2, 1, 1	1, 2, 1	0, 3, 1	1, 2, 1	0, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(10846—19.) Wt. 79a—736. 450. 4/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands .. a Lerwick ..	54	43	28, 30	29	26, 27	40·3	33·7	36·9	- 2·4	7	1·85	47	+ 32										
p Deerness	160	47	25th	31	26, 31	40·6	33·7	37·1	—	6	1·14	29	+ 15	Deerness	3·0	- 2·2	16	•	•	•	•	•	•
a Stornoway	31	49	25th	30	27, 31	41·7	34·1	37·8	- 3·0	6	1·02	26	+ 6	Stornoway	3·1	- 1·4	25	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	48	25th	30	31st	43·0	36·4	39·6	- 2·6	6	0·79	20	—	Castlebay	2·3	—	18	•	•	•	•	•	•
b. Mainland. a Wick	81	51	25th	28	27, 28	41·7	32·4	36·9	- 3·4	7	0·68	17	+ 5	Fort Augustus	2·3	- 1·1	18	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort Augustus	68	50	25th	26	27, 31	42·4	31·7	36·9	- 4·0	6	1·28	33	+ 16										
p Fort William	171	51	25th	25	27th	42·7	31·9	37·1	- 4·8	4	1·47	37	+ 7										
1. SCOTLAND, E.																							
a Nairn	82	52	25th	28	27, 28	43·9	31·6	37·6	- 3·0	6	0·52	13	+ 3	Nairn	4·6	—	37	•	•	•	•	•	•
p Gordon Castle	101	54	25th	27	31st	44·9	32·4	38·5	- 2·6	6	0·41	10	- 2	Gordon Castle	4·6	—	37	•	•	•	•	•	•
a Aberdeen	46	55	25th	30	27th	45·3	33·9	39·4	- 1·5	7	0·57	15	+ 2	Aberdeen	5·1	+ 0·8	40	4	20	•	•	39·2	- 1·1
a Balmoral	938	48	25th	20	27th	40·9	29·7	35·1	- 2·1	6	0·57	14	- 2	Balmoral	•	•	•	4	17	•	•	•	•
p Crieff	432	53	25th	24	27th	45·0	30·0	37·3	- 4·0	4	0·34	9	- 7	Crathes	3·4	- 0·7	27	3	24	38·6	- 1·3	37·8	- 1·7
a Dundee	244	54	25th	27	27th	46·6	32·0	39 1	—	2	0·19	5	- 6	Dundee	4·3	—	34	6	22	38·3	•	•	•
a Leith	18	51	25, 28	29	27th	44·9	33·9	39·2	- 3·1	2	0·20	5	- 4	Leith	•	•	•	2	25	•	•	•	•
a Edinburgh	441	50	28th	27	27th	43·4	32·3	37·7	—	3	0·34	9	0	Edinburgh	4·5	+ 0·5	36	4	22	•	•	•	•
a West Linton	769	46	25, 28	25	27, 31	42·7	30·6	36·5	- 1·6	5	1·07	27	—	West Linton	4·6	—	37	4	20	•	•	•	•
p Marchmont	498	51	25th	27	27, 31	44·9	31·3	37·9	- 2·2	4	0·34	9	- 5	Marchmont	5·4	+ 1·5	43	3	25	•	•	•	•
6. a SCOTLAND, W.																							
a Poltalloch	132	47	28th	—	—	43·7	—	—	—	4	1·40	36	+ 14										
p Glasgow Observatory	180	49	25th	28	27th	43·4	33·3	38·2	- 3·6	4	0·61	16	+ 1	Glasgow	4·4	+ 0·9	35	4	21	•	•	•	•
p Rothesay	170	51	28th	28	27th	44·3	33·3	38·6	- 3·7	5	1·27	32	+ 11	Rothesay	3·8	—	30	4	21	40·4	•	41·8	- 0·4
a Kilmarnock	90	51	28th	22	27th	46·3	32·4	39·1	- 2·1	5	0·89	23	+ 7	Kilmarnock	4·6	—	37	4	20	39·2	•	40·5	•
a Colmonell	170	52	25th	23	27th	47·4	33·7	40·4	- 1·3	6	0·73	19	0	Colmonell	•	•	•	2	19	•	•	•	•
p Cally, Gatehouse	120	48	28, 30	25	27th	45 9	32·1	38·8	- 2·7	5	0·78	20	- 2	Dumfries	4·8	—	38	6	21	38·9	•	39·7	•
a Dumfries	180	50	25th	27	27th	45·1	31·6	38·2	- 3·8	5	0·65	17	+ 1	Eskdalemuir	4·9	—	39	5	23	•	•	•	•
a Eskdalemuir	794	49	25th	24	27th	42·9	29·1	35·8	—	5	0·94	21	—										
b. I. OF MAN p Douglas	277	51	25th	29	27th	46·4	34·6	40·3	- 2·1	6	0·50	13	- 4	Douglas	6·1	+ 0·9	48	2	25	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	53	25th	30	27th	45·9	34·1	39·8	- 1·4	6	0·57	14	+ 2										
a Tynemouth	71	53	25th	31	27, 28	44·4	33·7	38·9	- 2·6	6	0·63	16	+ 7	Cockle Park	6·4	+ 2·0	51	4	25	37·7	- 2·1	39·5	- 0·8
p Durham	336	54	25th	27	27th	46 0	30·9	38·2	- 2·9	6	0·59	15	+ 5	Durham	4·7	+ 0·7	37	5	22	•	•	•	•
a North .. p Rounton	249	57	25th	27	27th	46·1	30·4	38·0	- 3·0	7	0·68	17	+ 7	Rounton	•	•	•	7	21	38·2	•	•	•
a West Witton	605	52	25th	28	27th	44 3	32 9	38·4	—	7	0·76	19	—	West Witton	•	•	•	5	24	37·9	•	37·6	•
p Scarborough	100	56	25th	31	28th	47·4	33·6	40·3	- 2·1	7	0·54	14	+ 4	Scarborough†	4·7	+ 0·3	37	•	•	•	•	41·5	•
p York	56	55	25th	29	27th	45·9	33 6	39·6	- 3·2	6	0·75	19	+ 9	York	2·8	- 1·0	22	•	•	39·3	- 2·2	40·0	- 1·5
b. South .. a Spurn Head	26	50	25th	30	25th	44·4	32·3	38·2	- 4·0	7	0·31	8	+ 1	Spurn Head	2·1	—	17	•	•	•	•	•	•
a Lincoln	58	54	25th	29	28th	46 4	33·4	39·7	- 3·3	6	0·36	9	0	Lincoln	•	•	•	•	•	38·6	- 2·6	40·2	- 1·1
a Fulbeck	180	54	25th	27	27th	45·9	31·4	38·4	- 4·5	5	0·31	8	- 1	Rauceby	4·7	+ 0·1	37	6	23	39·2	- 3·6	41·0	- 1·7
														Skegness	3·7	- 1·2	29	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	52	25th	28	28th	45·7	31·0	38·1	- 4·6	7	0·51	13	+ 6	Cromer	3·8	- 1·1	30	•	•	•	•	•	•
p Little Massingham	280	51	25th	25	28th	44·6	29·4	36·8	- 6·0	5	0·42	11	+ 2	Lit. Massingham	3·0	- 1·5	24	6	22	•	•	•	•
a Yarmouth	13	52	25th	28	26, 29	45·3	31·1	38·0	- 4·3	6	0·91	23	+ 15	Yarmouth	3·6	—	29	5	24	40·6	- 2·4	42·1	- 1·8
a Norwich	93	50	25, 29	27	28th	44·9	31·7	38·1	- 5·1	5	1·17	30	+ 21	Norwich	3·3	—	26	5	21	38·3	•	•	•
a Geldeston	37	52	29th	23	28th	45·4	29·7	37·3	- 5·7	4	0·85	22	+ 14	Geldeston	3·7	- 1·1	29	•	•	•	•	•	•
p Cambridge	41	52	25th	24	28th	45·7	29·7	37·5	- 6·0	6	0·61	15	+ 8	Cambridge	3·1	- 1·6	25	7	16	39·3	- 3·8	41·4	- 2·1
a Clacton-on-Sea	54	50	30th	27	25th	45·1	30 9	37·8	- 4·9	5	0·56	14	+ 7	Clacton	2·9	- 2·2	23	3	21	39·3	- 3·9	42·0	- 2·4
a Rothamsted	424	49	25th	23	28th	43·6	29·9	36·6	- 6·1	6	0·41	10	+ 1	Rothamsted	3·1	- 1·4	25	5	19	37·5	•	•	•
p Tottenham	51	50	25, 29	29	28th	46·1	33 0	39·4	—	5	0·56	14	—	Tottenham	2·8	—	22	3	25	•	•	41·8	- 1·6
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	52	25th	27	27th	43·4	31·9	37·5	- 3·8	7	1·20	31	+ 20	Harrogate	4·7	+ 0·2	37	5	23	38·6	- 1·8	39·7	- 1·1
p Sheffield	429	51	25th	29	27th	44 7	33·0	38·7	—	6	0·91	23	—	Sheffield	2·5	- 1·5	20	3	24	37·9	- 2·6	39·0	- 1·7
p Buxton	987	47	25th	26	26th	40·4	29·7	34·9	—	7	1·06	27	+ 8	Buxton	2·8	—	22	5	19	37·2	- 2·6	38·4	- 2·2
b. East .. a Bawtry	65	53	25th	28	28th	45·7	32·7	39·0	- 4·1	7	0·44	11	+ 3	Worksop	3·6	- 0·3	29	5	17	39·6	•	40·3	•
a Nottingham	82	53	25th	24	25th	46 3	30·0	37·9	- 5·0	5	0 29	7	- 2	Nottingham	4·3	+ 0·1	34	4	21	37·7	- 3·3	37·8	- 2·7
p Birmingham, Edgbsn.	535	52	25th	26	27th	46 3	31·6	38·7	- 4·0	5	0·18	5	- 5	Birmingham	3 6	+ 0·3	29	5	16	38·0	- 3·3	41·4	- 1·5
a Raunds	203	54	25th	23	28th	46 4	28·1	37·0	- 6·0	3	0·24	6	- 2	Raunds	•	•	•	6	15	39·1	•	41·0	•
p Oxford	208	52	25th	27	28th	45·9	32 6	39·1	- 4·6	5	0·33	8	- 1	Oxford	3·2	- 1·2	26	6	20	•	•	•	•
c. West .. a Cheadle (N. Staffs.)	646	50	25th	25	27th	43 6	30·6	36·9	- 4·8	4	0·42	11	- 1	Cheadle	•	•	•	5	21	•	•	•	•
p Shrewsbury	191	54	28th	28	28th	49·3	32·6	40·7	- 2·8	5	0·37	10	+ 2	Shrewsbury	•	•	•	4	22	•	•	•	•
a Hereford§	291	54	25th	25	28th	48·3	30·4	39·1	- 4·5	4	0·30	8	- 2	Malvern§	4·7	—	37	4	22	38·6	•	40·1	•
a Clifton	229	52	25th	29	25, 27, 28	46·1	33·1	39·4	- 5·0	4	0·33	8	- 7	Clifton	4·1	—	33	4	25	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	51	25th	23	28th	45·1	30·1	37·4	- 4·9	6	0·43	11	0	Worthing	3·5	- 1·9	28	4	19	40·0	- 3·5	42·5	- 1·7
p Salisbury (Wilton)	180	50	25th	23	28th	45 7	30·4	37·8	- 5·4	5	0·55	14	+ 3	Marlborough	3·3	- 0·8	27	2	19	40·3	•	42·7	•
a Wisley, Surrey	150	50	30th	27	28th	44·7	32·7	38·5	- 5·0	5	0·44	11	+ 3	Salisbury	•	•	•	5	18	40·4	•	•	•
a Tunbridge Wells	354	49	25, 30	25	28th	46·3	31 4	38 6	- 4·7	6	0·45	11	+ 1	Wisley	2·6	- 2·0	21	6	14	39·1	- 3·4	41·2	- 2·2
a Margate	53	48	25, 29	29	28th	44·9	34·7	39·7	- 4·3	5	0·51	13	+ 6	Tunbridge Wells	2·3	- 2·6	19	5	16	40·5	- 1·6	41·8	•
														Margate	2 8	- 2·1	23	5	21	39·3	- 3·2	41 3	- 1·5
a Dungeness	21	45	30, 31	25	28th	43·9	31·4	37·5	- 5·7	6	0·47	12	+ 5	Dover	2·8	—	23	•	•	•	•	•	•
p St. Leonards	178	49	25th	29	28th	44·6	33·7	39·0	- 4·9	6	0·56	14	+ 5	St. Leonards	3·3	- 2·0	27	3	24	39·7	•	41·9	•
p Southampton	64	50	25th	25	28th	45·1	32·4	38·6	- 6·6	5	0·76	19	+ 9	Southampton	2·8	- 2·2	23	6	11	•	•	•	•
a Ventnor	59	50	25th	30	27th	45·9	35 7	40·7	- 4·6	7	0·41	10	+ 1	Ventnor	4·2	- 1·2	34	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	49	25, 30	27	28th	45·1	32·0	38·4	- 5·6	6	0·51	13	+ 6	Richmond	2 9	- 1·4	23	5	19	38·8	- 3·6	41·9	- 1·8
a Westminster	27	51	30th	27	28th	46·8	33 3	39·9	- 4·9	6	0·70	18	+ 11	Westminster	2·5	- 0·8	20	4	27	•	•	•	•
a Greenwich	155	52	29, 30	27	28th	46·1	32·1	38·9	- 5·7	7	0·49	12	+ 3	Greenwich	2·4	- 1·4	19	5	23	•	•	•	•
a Hampstead	450	48	25, 29, 30	25	28th	43·3	29·6	36·3	—	5	0·47	12	—	Hampstead	2·9	—	23	7	18	•	•	•	•
a Camden Square	110	52	30th	27	28th	46·4	32·7	39·4	- 5·4	6	0 50	13	+ 5	Camden Square	3·0	- 0·7	24	5	25	•	•	•	•
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	47	28th	22	27th	43·4	31·0	37·0	- 4·6	5	0·41	11	- 6	Aspatria	4·3	- 0·2	34	4	17	38·6	•	39·9	•
p Newton Rigg	559	51	28th	25	27th	46·1	31·9	38·8	- 1·9	5	1 39	35	+ 19	Newton Rigg	5·3	+ 0·9	42	5	19	39·9	- 1·1	39·4	- 1·2
p Stonyhurst	377	49	25th	27	27th	44·7	32·7	38·5	- 3·1	5	1·14	29	+ 8	Stonyhurst	3·4	- 0·9	27	5	22	•	•	•	•
p Blackpool	60	47	25, 28	29	27th	44·4	35 1	39·6	- 2·8	6	0 69	18	+ 4	Blackpool	4·0	- 1·1	32	4	22	40 5	•	41·4	•
a Southport	37	49	28th	29	27th	43·9	34·6	39·1	- 3·6	6	1·59	41	+ 28	Southport	4·2	- 0·7	33	4	20	40·1	- 2·0	40 2	- 2·2
														Hoylake	4·4	- 0·2	35	•	•	•	•	•	•
a Liverpool (Edgbston)	188	50	28th	30	27th	43·7	33·9	38·7	- 4·5	5	0·87	22	+ 10	Liverpool	3·4	—	27	5	21	•	•	•	•
a Hawarden Bridge	22	53	28th	29	27th	46·0	34·4	40·0	- 3·9	6	0·69	18	+ 7	Manchester (City)	1·9	- 1·5	15	2	26	37·9	- 2·9	40·7	- 1·6
p Manchester (Whit. Pk.)	126	50	28th	29	28th	46·0	33·6	39·6	- 4·0	6	0.83	21	+ 7	Whitworth Park	1·4	- 1·8	11	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	71	51	28th	32	31st	45·3	36·1	40·6	- 3·4	6	1·03	26	+ 13	Llandudno	4·5	- 0·4	36	•	•	•	•	•	•
a Holyhead	15	51	28th	34	27th	45 9	36·7	41·2	- 2·4	7	0·51	13	- 2	Holyhead	4·9	—	39	1	30	•	•	•	•
p Bettws-y-Coed	108	53	25, 28	30	27th	46·3	34·3	40 1	- 2·8	6	1·29	33	—	Bettws-y-Coed	4·2	—	33	•	•	39·7	- 1·8	42·0	- 1·0
p Aberdovey	22	46	25th	31	27th	44·9	35·9	40·3	—	6	0·72	18	—	Aberdovey	4·8	0·0	38	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
																	Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	44	25, 28	29	27th	42·9	34·6	38·6	—	5	0·37	9	—	Aberystwyth	5·6	+ 0·9	44	*	*	*	*	*	*
a Rhayader	757	47	25, 28	21	27th	42·9	30·0	36·3	—	5	0·59	15	—	Rhayader	5·4	—	44	4	21	*	*	*	*
a St. Ann's Head	149	49	25th	31	27th	44·4	34·6	39·4	- 4·6	6	0·47	12	0	St. Ann's Head	6·6	+ 1·4	53	*	*	*	*	*	*
p Cardiff	202	53	25th	29	27, 28	47·0	32·9	39·7	- 3·8	5	0·40	10	- 6	Cardiff	5·6	—	45	6	21	39·9	-2·3	42·1	-0·9
b, ENGLAND, S.W.																						
a Bath	66	56	25th	24	28th	47·0	32·0	39·3	- 4·6	5	0·57	14	+ 2	Bath	*	*	*	*	*	40·3	-3·8	42·0	-2·6
a Shaftesbury	722	48	25th	25	27th	42·9	31·4	37·0	- 5·5	6	0·70	18	+ 6	Shaftesbury	*	*	*	*	*	39·0	*	41·0	*
a Arlington	613	48	25th	27	27, 28	44·7	32·0	38·2	- 4·5	5	0·58	15	- 4										
a Newquay	190	49	28th	32	25, 27, 28	45·1	35·4	40·1	- 5·2	5	0·72	18	+ 6	Newquay	4·6	- 0·6	37	*	*	43·8	*	44·7	*
a Cullompton	202	53	25th	26	28th	48·0	33·3	40·4	- 3·8	6	0·72	18	+ 4	Cullompton	3·4	- 1·3	37	5	18	41·8	*	*	*
a Portland Bill	19	47	25th	32	25, 27, 28	44·3	35·7	39·9	- 4·6	5	0·50	13	+ 3	Weymouth	3·7	—	30	*	*	*	*	*	*
p Plymouth	116	51	25th	28	27th	47·7	35·1	41·2	- 4·2	4	0·52	13	- 1	Plymouth	4·9	- 0·6	40	*	*	41·9	-3·3	44·0	*
a Falmouth	167	53	28th	29	25th	47·0	33·6	40·1	- 5·3	5	0·90	23	+ 6	Falmouth	5·1	- 0·7	41	3	23	45·0	*	45·5	*
9. IRELAND, N.																						
a, West — *a* Malin Head	208	48	25th	34	31st	43·0	36·4	39·6	- 3·1	6	1·00	25	+ 10	Malin Head	4·4	—	35	*	*	*	*	*	*
a, West — *a* Blacksod Point	327	50	25th	34	31st	45·1	36·7	40·8	- 3·3	7	0·83	21	- 3	Markree Castle	3·6	- 0·6	29	5	22	43·0	*	42·9	*
a, West — *p* Markree Castle	122	55	25th	27	27th	48·3	33·1	40·5	- 2·4	7	0·83	21	+ 1										
b, East — *p* Armagh	196	52	28th	27	31st	45·6	32·4	38·8	- 3·8	6	0·70	18	+ 3	Armagh	4·3	+ 0·2	34	3	21	41·9	-1·3	42·7	-1·0
b, East — *a* Donaghadee	101	52	25, 28	31	27, 28	45·7	34·7	40·0	- 3·0	6	0·44	11	- 4										
10. IRELAND, S.																						
p Dublin, City	47	54	25, 28	28	27th	47·6	36·0	41·6	- 3·3	7	0·57	14	+ 1	Dublin City	*	*	*	2	25	*	*	*	*
a Birr Castle	175	53	25th	20	28th	47·7	30·4	38·8	- 4·4	6	0·35	9	- 6	Trinity Coll.	*	*	*	3	22	42·9	-1·1	44·0	-0·6
a Kilkenny	212	53	25, 28	26	27th	47·9	33·3	40·4	- 3·3	6	0·44	11	- 4	Phœnix Park	5·4	+ 0·6	43	5	17	*	*	*	*
a Waterford	20	54	25, 28	28	27th	48·9	35·3	41·9	- 2·9	2	0·11	3	- 14	Birr Castle	5·4	+ 1·0	43	5	17	*	*	*	*
a Seskin, Carrick-on-Suir	541	54	28th	25	27th	47·7	32·7	40 0	—	4	0·31	8	—	Seskin	5·9	—	47	4	21	*	*	*	*
a Cahir	199	54	25, 28	26	27th	49·0	34·1	41·3	- 2·6	5	0·47	12	—										
a Foynes	50	53	28th	28	27th	47·4	36·0	41·5	- 3·4	6	0·60	15	- 3										
a Cahirciveen (Val. Obs.)	30	53	28th	30	31st	47·3	36·0	41·5	- 4·3	6	0·75	19	- 8	Cahirciveen	5·0	+ 0·2	40	2	27	*	*	*	*
a Killarney	174	58	28th	27	27th	51·4	34·7	42 8	- 2·3	6	0·85	22	- 5	Ballinacurra	5·9	+ 0·7	48	*	*	*	*	*	*
a Roche's Point	32	53	28th	32	27th	48·0	36·4	42·0	- 3·2	5	0·15	4	- 15										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's	131	52	28th	35	27th	47·7	38·6	43·0	- 4·0	6	0·68	17	+ 5	Scilly	3·9	- 1·6	31	*	*	*	*	*	*
a Jersey, St. Aubins	25	49	25th	31	28th	46·0	34·4	40·0	- 6·7	6	0 87	22	+ 10	St. Heliers	4·7	- 1·2	38	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	49	25th	32	28th	46·4	37·4	41·8	- 5·2	6	1·41	36	+ 23	Guernsey†	4·2	- 1·7	34	1	23	42·6	-3·7	44·4	-1·8

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 31st, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	49	98	21	0	—	9	26	13	22	26	14	45
Aberdeen	153	105	52	—	—	25–30	13	91	59	5	0	NW.	13	30	14	23	30	16	20
Edinburgh	485	39	31	—	—	25, 28, 29	7	104	51	6	0	WSW.	12	25	16	19	29	13	0
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paisley	188	81	52	—	—	—	—	59	83	26	0	NW. by N.	9	25	18	21	25	19	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	26	13	67	81	7	0	N. by W.	13	26	13	24	26	9	10
South Shields	72	61	12	—	—	25, 26	13	53	88	14	0	N. by E.	14	26	11	24	26	9	10
Spurn Head	66	40	‡	—	—	25-27, 29	27	60	54	9	18	ENE.	16	26	11	23	29	12	20
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	26, 27	19	43	64	13	29	—	13	26	11	20	26	20	30
Shoeburyness	103	90	‡	—	—	26	1	99	66	2	0	N.	11	26	9	21	29	13	5
4. MIDLAND COUNTIES																			
Benson	270	84	‡	—	—	26	4	75	62	27	0	N. by W.	11	26	16	21	26	16	25
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	26, 27, 29 to 31	47	63	2	0	56	—	14	26	14	23	26	22	35
Warlingham	642	33	‡	—	—	—	—	32	114	22	0	—	8	26	12	23	26	12	15
Brighton	261	53	6	—	—	—	—	47	96	6	21	—	8	26	14	17	26	14	25
Richmond (Kew Obs.)	82	65	22	—	—	—	—	67	84	16	1	N.	10	26	9	18	26	10	0
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	44	95	29	0	N. by W.	9	26	12	18	25	19	55
Southport	80	62	48	—	—	25, 26, 28 to 30	43	75	48	2	0	WSW.	14	25	19	22	25	20	40
Holyhead	60	40	‡	—	—	25 to 27, 29 to 31	46	92	29	1	0	N.	16	26	5	22	26	5	25
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	—	—	26, 28, 29	16	69	39	2	42	N.	15	26	10	23	26	10	25
Plymouth	185	88	2	—	—	26	3	53	84	19	9	—	11	26	13	19	26	12	15
Lyme Regis	556	61	‡	—	—	26	6	77	55	30	0	—	14	26	11	21	26	10	40
10. IRELAND, S.																			
Quilty	100	40	‡	—	—	26, 28, 29, 31	25	58	33	14	38	—	15	31	19	23	29	1	0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	25, 26, 31	17	75	62	14	0	N. by E.	14	31	21	24	28	20	35
Weaver Pt.	160	30	‡	—	—	25, 26	8	72	84	3	1	—	13	26	15	19	25	18	10
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTEENTH WEEK of 1917—March 25th to March 31st, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	25	78·4	73·4	75·8	− 1·9	0	− 18	34	+ 8	6	+ 1	1·26	32	+ 11	2·5	−1·5	20	999
Eastern.																			
1. SCOTLAND, EAST ...	55	20	79·7	72·8	76·2	− 1·5	6	− 16	36	+ 7	5	+ 1	0·50	13	0	4·6	+0·5	36	1000
2. ENGLAND, N.E.	57	27	80·7	73·3	76·9	− 1·7	11	− 13	34	+ 12	6	+ 2	0·52	13	+ 3	4·5	+0·1	36	1002
3. ENGLAND, EAST ...	52	23	80·3	72·3	76·2	− 2·9	9	− 21	40	+ 17	6	+ 3	0·67	17	+ 9	3·3	−1·4	26	1004
4. MIDLAND COUNTIES ...	54	23	80·8	72·7	76·6	− 2·4	11	− 21	38	+ 13	5	+ 2	0·41	11	+ 1	3·7	−0·5	29	1005
5. ENGLAND, S.E.	51	23	80·3	73·3	76·7	− 3·0	9	− 23	34	+ 17	6	+ 3	0·51	13	+ 4	3·1	−1·8	25	1005
Western.																			
6. SCOTLAND, WEST ...	52	22	80·5	73·6	76·9	− 1·6	10	− 13	33	+ 12	5	+ 1	0·85	22	+ 2	5·3	+0·9	42	1003
7. ENGLAND, N.W.	53	22	80·3	74·1	77·1	− 1·8	9	− 15	29	+ 10	6	+ 2	0·96	25	+ 10	4·4	−0·1	35	1004
8. ENGLAND, S.W.	56	21	80·6	73·6	77·0	− 2·7	10	− 21	33	+ 18	5	+ 1	0·60	15	0	5·1	+0·3	41	1007
9. IRELAND, NORTH ...	55	20	80·7	74·1	77·3	− 1·9	11	− 15	30	+ 12	6	+ 1	0·69	18	0	4·0	−0·2	31	1005
10. IRELAND, SOUTH ...	58	20	82·1	74·5	78·2	− 1·9	18	− 16	28	+ 14	5	+ 1	0·48	12	− 7	4·4	−0·3	35	1009
11. ENGLISH CHANNEL ...	52	31	81·2	75·7	78·3	− 3·0	13	− 24	20	+ 16	6	+ 2	0·99	25	+ 13	4·3	−1·5	34	1009

THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, March 4th to March 31st, 1917.

0. SCOTLAND, NORTH ...	55	15	78·6	73·2	75·8	− 1·3	15	− 33	155	+ 36	22	+ 2	3·48	88	− 12	2·1	−1·1	18	1008
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	78·6	71·6	75·0	− 2·2	21	− 41	204	+ 71	19	+ 2	1·79	46	− 11	3·5	−0·1	30	1009
2. ENGLAND, N.E.	57	8	79·3	72·6	75·9	− 2·1	32	− 45	178	+ 75	17	+ 1	1·79	46	+ 5	3·4	−0·6	29	1009
3. ENGLAND, EAST ...	59	16	79·3	72·3	75·7	− 2·6	29	− 67	179	+ 73	18	+ 4	2·05	52	+ 13	2·7	−1·3	23	1009
4. MIDLAND COUNTIES ...	58	9	79·8	72·2	75·9	− 2·3	37	− 62	184	+ 72	17	+ 3	2·10	54	+ 12	2·9	−0·7	24	1009
5. ENGLAND, S.E.	57	18	80·0	73·3	76·5	− 2·3	33	− 67	144	+ 62	18	+ 4	2·24	57	+ 12	3·1	−1·0	26	1010
Western.																			
6. SCOTLAND WEST ...	55	15	79·6	73·1	76·3	− 1·7	35	− 33	162	+ 68	16	− 1	2·27	58	− 25	3·7	0·0	32	1009
7. ENGLAND, N.W.	54	12	79·4	73·4	76·3	− 2·0	31	− 44	155	+ 69	16	0	2·42	62	+ 4	3·7	0·0	31	1009
8. ENGLAND, S.W.	59	18	80·5	74·0	77·2	− 1·8	48	− 50	114	+ 44	19	+ 3	3·35	85	+ 18	4·3	+0·2	37	1009
9. IRELAND, NORTH ...	59	20	80·6	74·3	77·4	− 1·3	55	− 29	110	+ 28	20	0	2·25	57	− 10	3·4	−0·1	29	1009
10. IRELAND, SOUTH ...	61	20	81·9	74·8	78·3	− 1·1	83	− 28	90	+ 26	20	+ 4	2·75	71	0	3·5	−0·5	29	1010
11. ENGLISH CHANNEL ...	54	29	81·5	76·2	78·7	− 1·8	63	− 60	66	+ 42	20	+ 3	3·19	81	+ 24	4·0	−0·9	34	1010

THE YEAR 1917.—Aggregates, &c., for the Period of 13 Weeks, December 31st, 1916, to March 31st, 1917.

0. SCOTLAND, NORTH ...	55	10	78·1	73·3	75·7	− 0·9	46	− 61	509	+ 70	59	− 7	9·28	235	−140	1·7	−0·2	19	1014
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	77·6	71·9	74·8	− 1·5	42	− 83	678	+ 171	50	− 3	5·30	137	− 47	2·3	−0·2	25	1014
2. ENGLAND, N.E.	58	5	77·7	72·6	75·1	− 1·9	66	− 93	639	+ 231	50	0	5·66	144	+ 14	1·9	−0·7	20	1014
3. ENGLAND, EAST ...	59	5	77·6	72·4	75·0	− 2·1	62	−125	655	+ 222	51	+ 2	4·85	124	− 4	1·7	−1·1	18	1014
4. MIDLAND COUNTIES ...	58	4	77·7	72·0	74·8	− 2·3	73	−127	705	+ 257	45	− 4	5·07	131	− 17	1·6	−0·8	16	1015
5. ENGLAND, S.E.	57	4	78·1	72·9	75·5	− 2·3	75	−142	591	+ 249	42	− 6	4·76	121	− 38	2·1	−0·7	22	1014
Western.																			
6. SCOTLAND, WEST ...	55	15	78·3	73·2	75·8	− 1·6	67	− 87	537	+ 184	45	−14	6·63	169	−139	2·2	−0·1	23	1015
7. ENGLAND, N.W.	58	9	78·0	72·9	75·5	− 2·1	71	− 96	593	+ 257	43	−10	6·18	158	− 48	2·2	−0·2	23	1015
8. ENGLAND, S.W.	59	4	78·5	73·4	75·9	− 2·4	108	−134	532	+ 261	43	−11	6·60	167	− 77	2·8	+0·1	28	1014
9. IRELAND, NORTH ...	59	7	79·2	73·9	76·6	− 1·5	125	− 83	439	+ 142	54	−10	6·57	167	− 72	2·2	−0·1	23	1014
10. IRELAND, SOUTH ...	61	9	79·8	74·2	77·0	− 1·9	180	−113	421	+ 189	52	− 5	7·22	185	− 78	2·5	−0·2	25	1015
11. ENGLISH CHANNEL ...	54	22	79·8	75·7	77·8	− 2·2	168	−172	299	+ 197	49	−10	7·14	181	− 26	2·8	−0·5	28	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : April 4th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C 2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF: 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New series.)* } No. 14.

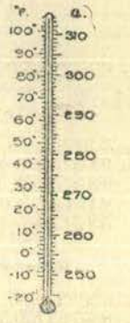
THE FOURTEENTH WEEK OF 1917.

SUNDAY, APRIL 1ST, TO SATURDAY, APRIL 7TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

A most unsettled type of weather continued over the whole country. Snow showers, sometimes accompanied by strong winds from various quarters, were again very common. Much of the snow melted soon after its fall, but large areas in the north and smaller areas in the south were white during several days. The snow was 30 cm. deep at Cahir (Co. Tipperary) on the 1st. At Tenbury (Worcestershire) there was a fall of 15 cm. of snow on the 1st and 2nd and a further 20 cm. on the 3rd. The fall at Cockle Park (Morpeth) on the 2nd was heavier, the melted snow being equivalent to 40 mm. of rain. In all the English districts and in Scotland East the total precipitation exceeded the normal; in England South-East, East and North-East the fall was nearly three times the normal but in the western districts the percentage was much less. In Ireland the fall was about equal to the normal, and in Scotland North and West it was below the normal.



The temperature of the sea surface coastal water was lower than during the preceding week at several of the reporting stations. At Cleggan there was a decrease of 2·7 a., and the deficit from the normal was 4·5 a. The smallest difference from the normal was −0·8 a. at Wick. The temperature of the air was much lower than that of the preceding week, and the deficit from the normal very marked,—about 6 a. in England South-East and North-East and about 5 a. in most other districts. The mean temperature for the week in England South-East was 275·7 a. The fourteenth week of the year was equally cold in 1888 and 1911 but in no other year since District-Values were first computed in 1878. The lowest minimum readings were recorded on the 1st or 2nd, when the thermometer fell to 257·5 a. at Eskdalemuir, 258 a. at Newton Rigg (Penrith), 259 a. at Rounton (Yorkshire), and to below 261 a. at several other stations. At Norwich the minimum of 264·7 a. was the lowest April value since the records began in 1883. Some of the daily maxima early in the week were below 273 a., but later 283 a. was occasionally recorded or exceeded in most districts. The variable sky accompanying the unsettled, showery weather permitted frequent intervals of sunshine and the total duration for the week was "moderate" in most districts. In England North-East, however, it was "scanty", and in Scotland North "abundant". A thunderstorm occurred during the snow showers at Southend-on-Sea on the 1st; Markree Castle and Cahirciveen (Valencia Obs.) had thunder on the 2nd, and a thunderstorm was experienced at Malvern on the 3rd. Aurora was observed at Seskin on the 4th.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	1	3·1	3	1·6	3	4·7	3	3·2	2	2·5	1	2·0	1	1·8	1	2·4
North	6	3·1	4	4·4	4	2·3	4	1·8	5	4·4	6	5·1	4	5·4	6	5·1
West	4	2·4	3	2·4	4	2·0	4	1·8	5	2·5	5	6·9	4	4·4	4	2·8
East	3	6·1	2	2·8	3	2·8	3	1·1	2	4·9	2	2·6	3	4·9	2	2·7
Calm	0	—	0	—	0	—	0	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Light	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy
	Sunshine ...	Abundant	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 5 weeks from Mar. 4th, 1917.	Warmth ...	0, 2, 3	0, 1, 4	0, 0, 5	0, 1, 4	0, 1, 4	0, 1, 4	0, 1, 4	0, 1, 4	0, 1, 4	0, 2, 3	0, 2, 3	0, 1, 4
	Rainfall ...	1, 2, 2	1, 4, 0	3, 1, 1	3, 2, 0	1, 4, 0	2, 3, 0	0, 4, 1	1, 3, 1	2, 2, 1	1, 3, 1	1, 2, 2	3, 2, 0
	Sunshine ...	1, 2, 2	1, 2, 2	0, 3, 2	0, 2, 3	0, 4, 1	1, 1, 3	1, 3, 1	2, 2, 1	1, 3, 1	0, 4, 1	1, 3, 1	0, 3 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour

(10909—19.) Wt. 153—442. 450. 4/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F	°F.	°F.	in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a Lerwick	56	42	7th	24	1st	39·1	30·3	34·5	- 5·9	3	0·06	2	- 12										
p Deerness	160	43	3, 7	22	1st	40·0	29 6	34·6	—	5	0·28	7	- 6	Deerness ..	5·5	+ 0 7	42	•	•	•	•	•	•
a Stornoway	51	46	7th	16	1st	41·6	26·9	33·9	- 8·2	6	0·55	14	- 5	Stornoway ..	5·8	+ 0·8	44	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	45	6 7	24	1st	?41·1	31·3	?36·0	- 6·9	7	0·39	10	—	Castlebay ..	75·6	—	43	•	•	•	•	•	•
a Wick	81	43	7th	19	1st	40·0	25 0	32·1	- 9·5	5	0·19	5	- 7	Fort Augustus..	5·1	+ 1·3	39	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	44	7th	11	1, 2	36·3	22·3	29·0	-12·9	6	0·76	19	- 18										
p Fort Augustus.. ..	65	50	7th	20	2nd	41·7	26·3	33·6	- 8·7	4	0·21	5	- 11										
p Fort William	171	49	7th	21	2nd	42·1	26·4	33·9	- 9·4	5	0·40	10	- 19										
1. SCOTLAND, E.																							
a Nairn	82	45	7th	20	1st	40·0	24·9	32·1	-10·2	6	0·87	22	+ 14	Nairn	5·9	—	45	•	•	•	•	•	•
p Gordon Castle	101	48	7th	18	5th	40·1	24·9	32·1	-10·6	6	1·00	25	+ 16	Gordon Castle..	6·1	—	47	•	•	•	•	•	•
a Aberdeen	46	47	7th	22	2nd	40·3	26·6	33·1	- 9 2	2	0 35	9	- 1	Aberdeen ..	6·8	+ 1·4	52	6	19	•	•	39·5	-1·5
a Balmoral	930	44	7th	15	2nd	36·9	22·0	29·1	- 9·8	5	0·53	13	+ 1	Balmoral ..	•	•	•	7	12	•	•	•	•
p Crieff	432	46	4th	18	1st	41·3	25·0	32·8	-10·1	4	0·47	12	0	Crathes	5·0	- 0·1	38	7	12	36·7	-4·3	38·5	-1·8
a Dundee	244	44	6, 7	15	1st	40·4	26·3	33 0	—	5	0·41	10	+ 1	Dundee	5·2	—	40	6	11	37·3	•	•	•
a Leith	18	44	6, 7	20	3rd	40·7	27·3	33·7	-10·2	4	1·10	28	+ 21	Leith	•	•	•	5	19	•	•	•	•
a Edinburgh	441	42	4, 7	20	1, 2	38·6	27·9	33·0	—	5	0·41	10	+ 3	Edinburgh ..	4·6	- 0·2	35	6	14	•	•	•	•
a West Linton	769	40	7th	11	1st	36·1	21·7	28·6	-11·1	4	1·64	42	—	West Linton ..	4·2	—	32	6	6	•	•	•	•
p Marchmont	498	48	7th	14	2nd	39·9	25·6	32·4	- 9·3	4	1·16	29	+ 18	Marchmont ..	3·7	- 1·2	28	7	12	•	•	•	•
6. *a* SCOTLAND, W.																							
a Poltalloch	132	46	7th	—	—	42·0	—	—	—	3	0·75	19	+ 2										
p Glasgow Observatory	180	45	7th	21	2nd	40·0	29·1	34·3	- 9·4	3	0·27	7	- 5	Glasgow.. ..	4·5	+ 0·3	35	5	14	•	•	•	•
p Rothesay	170	45	4th	22	2nd	41·1	30·3	35·4	- 8·7	4	0·45	12	- 5	Rothesay ..	5·6	—	43	6	14	38·7	•	41·4	-1·3
a Kilmarnock	90	48	7th	14	1st	42·9	25·7	33·9	- 9·1	5	0·35	9	- 3	Kilmarnock ..	5·3	—	41	•	•	37·4	•	40·6	•
a Colmonell	170	49	7th	16	2nd	42·7	26·6	34·3	- 9·1	5	0·51	13	- 1	Colmonell ..	•	•	•	5	11	•	•	•	•
p Cally, Gatehouse ..	120	47	4, 7	16	2nd	42 3	25·6	33·6	- 9·6	4	0·42	11	- 6	Dumfries	4·6	—	35	6	10	37·2	•	39·9	•
a Dumfries	160	45	7th	11	2nd	40·0	24·9	32·1	-11·8	5	0·40	10	- 3	Eskdalemuir ..	4·4	—	34	7	0	•	•	•	•
a Eskdalemuir	794	40	4, 7	4	2nd	35·9	16·0	25·5	—	5	1·46	37	—										
b. I. OF MAN *p* Douglas	277	46	7th	23	3rd	40·3	29·6	34·7	- 9·3	5	0·21	5	- 9	Douglas	4·4	- 1·8	34	4	19	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	44	7th	13	2nd	39·3	26·3	32·5	- 9·7	5	1·41	36	+ 27										
a Tynemouth	71	43	7th	17	2nd	38·6	25·9	32·0	-10·6	4	1·10	28	+ 21	Cockle Park ..	3·1	- 2·2	24	6	17	34·5	-6·5	38·9	-2·3
p Durham	336	48	7th	12	2nd	39 1	22·9	30·6	-11·7	6	0·80	20	+ 12	Durham	2·8	- 2·2	22	7	0	•	•	•	•
a North .. *p* Rounton	249	46	7th	7	2nd	39·9	20·6	29·8	-12·4	6	0·59	15	+ 7	Rounton	•	•	•	7	4	36·1	•	•	•
a West Witton	605	50	7th	11	2nd	40 7	23 1	31·5	—	6	1·03	26	—	West Witton ..	•	•	•	7	8	35·7	•	37·8	•
p Scarborough	100	47	5th	23	2nd	40·0	28·6	34·0	- 9·4	5	0·90	23	+ 15	Scarborough† ..	4·8	- 0·7	37	•	•	•	•	41·5	•
p York	56	48	7th	11	2nd	41·7	22 9	31·9	-12·2	3	0·70	18	+ 11	York	2·3	- 2·5	18	•	•	37·6	-5·1	40 5	-1·7
a Spurn Head	26	48	5th	25	2nd	41·4	?30·3	?35·6	- 7·7	4	0·28	7	+ 2	Spurn Head ..	2·7	—	21	•	•	•	•	•	•
b. South .. *a* Lincoln	58	52	7th	21	2nd	43·5	29·3	36·1	- 8·2	4	0·30	8	+ 1	Lincoln	•	•	•	•	•	36·9	-5·8	40·2	-2·1
a Fulbeck	180	48	5, 7	12	2nd	43·0	25·1	33·6	-10·7	6	0·33	8	+ 1	Rauceby	5·5	- 0·3	42	7	16	38·3	-5·5	41·0	-2·3
														Skegness ..	5·3	- 0·8	41	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	50	5th	19	2nd	43·6	29·0	36·0	- 7·7	5	0·48	12	+ 6	Cromer	5·4	- 0·4	42	•	•	•	•	•	•
p Little Massingham ..	280	49	5th	21	2nd	42 6	26·7	34·3	- 9·7	6	0·57	15	+ 7	Lit. Massingham	5·0	- 0·4	38	6	21	•	•	•	•
a Yarmouth	13	49	5th	30	2, 7	42 6	31·0	36·5	- 6·8	5	1·06	27	+ 20	Yarmouth ..	4·8	—	37	5	19	38·7	-5·5	42·0	-2·7
a Norwich	93	52	5th	17	2nd	43·7	27·6	35·3	- 9·0	5	0·75	19	+ 11	Norwich	4·4	—	34	6	12	37·1	•	•	•
a Geldeston	37	51	5th	21	2nd	43·3	27·9	35·2	- 8·8	6	0·70	18	+ 11	Geldeston ..	4·4	- 1·3	34	•	•	•	•	•	•
p Cambridge	41	52	5th	24	2nd	44·4	26·9	35·2	- 9·5	4	0·50	13	+ 6	Cambridge ..	4·5	- 1·1	35	7	18	38·3	-6·3	41·2	-3·2
a Clacton-on-Sea ..	54	48	5th	27	2nd	42 3	31 6	36·7	- 7·2	5	0 68	17	+ 11	Clacton	4·4	- 1·7	34	5	16	39·4	-4·9	42·1	-3·0
a Rothamsted	424	48	5th	25	1, 2	42·1	27·1	34·2	- 9·6	4	0·52	13	+ 5	Rothamsted ..	4·4	- 0·9	34	6	17	36·8	•	•	•
p Tottenham	51	50	5th	29	1, 2	43·9	32 3	37·8	—	4	1·05	27	—	Tottenham ..	4·2	—	33	6	25	•	•	41·4	-2·7
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	47	7th	14	2nd	39·3	24·0	31·3	-11·3	4	0·60	15	+ 5	Harrogate ..	4·4	- 0·9	34	7	3	36·4	-5·0	39·2	-2·3
p Sheffield	429	46	5, 7	18	2nd	41·7	26·0	33·5	—	4	0·39	10	—	Sheffield.. ..	4·8	+ 0·1	37	7	9	36·8	-4·8	39·2	-2·1
p Buxton	987	44	7th	8	2nd	39·3	22·6	30·6	—	2	0·39	10	- 7	Buxton	4·6	—	35	7	11	35·0	-6·0	38·5	-2·6
a Bawtry	65	49	5, 7	10	2nd	42·9	24·4	33·2	-11·2	3	0·21	5	- 3	Worksop	5·2	+ 0·6	40	7	-7	37·8	•	40·3	•
a Nottingham	82	48	7th	17	2nd	43 7	26·3	34·6	- 9·7	4	0 14	4	- 4	Nottingham ..	4·0	- 1·0	31	7	14	36·4	-5·9	37 8	-3·6
b. East .. *p* Birmingham, Edgbsn.	535	47	7th	16	2nd	42·9	28·6	35·4	- 8·7	5	0·78	20	+ 11	Birmingham ..	4·6	+ 0·6	35	6	14	36·7	-5·3	41·1	-3·2
a Raunds	203	51	5th	21	2nd	44·4	25·3	34·4	-10·1	4	0·33	8	0	Raunds	•	•	•	7	14	39·0	•	41·2	•
p Oxford	208	50	7th	27	7th	45·1	29·7	37·0	- 8·2	4	0 40	10	+ 1	Oxford	5·2	0·0	40	6	19	•	•	•	•
a Cheadle (N. Staffs.) ..	646	47	7th	20	2nd	42·3	27·0	34·3	- 8·7	2	0·48	12	+ 1	Cheadle	•	•	•	7	17	•	•	•	•
p Shrewsbury	191	50	7th	22	6th	44·7	26·3	35·1	- 9·7	4	0·60	15	+ 7	Shrewsbury ..	•	•	•	7	21	•	•	•	•
c. West .. *p* Hereford§	291	50	7th	26	7th	44·1	27·9	35·6	- 9·4	3	0·43	11	+ 2	Malvern§	5·8	—	45	6	23	38·6	•	40·5	•
a Clifton	229	51	7th	30	2-5	45·1	31·1	37·8	- 8·1	2	0·88	22	+ 8	Clifton	6·2	—	48	5	27	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	48	7th	21	3rd	43·3	27·4	35·0	- 8·9	4	0·63	17	+ 7	Worthing	5·1	- 1·0	40	5	22	40·6	-3·9	42·9	-1·8
p Salisbury (Wilton) ..	180	50	7th	21	3rd	45·1	26·7	35·5	- 9·5	4	1 81	46	+ 35	Marlborough ..	5·0	+ 0·3	39	5	20	40·6	•	42·9	•
a Wisley, Surrey ..	150	49	5th	27	7th	43·7	30·0	36·5	- 8·8	5	0·85	22	+ 15	Salisbury	•	•	•	6	20	40·0	•	•	•
a Tunbridge Wells ..	354	49	5th	25	7th	44·3	29 3	36·4	- 8·7	5	0·84	21	+ 12	Wisley	4·4	- 0·8	34	6	13	38 7	-4·8	41·0	-3·0
a Margate	53	50	5th	29	2nd	43·6	32·9	38·0	- 7·6	5	0·78	20	+ 13	Tunbridge Wells	3·3	- 2·3	26	6	18	39·8	-3·4	41·7	•
														Margate	4·8	- 0·8	37	6	21	39·2	-4·2	41 4	-2·0
a Dungeness	21	46	5th	27	7th	43·7	30·7	36·9	- 7·9	4	0·87	22	+ 15	Dover	4·4	—	34	6	14	•	•	•	•
p St. Leonards	178	47	5th	30	2nd	43·9	31·9	37·6	- 8·0	5	0·60	15	+ 7	St. Leonards ..	4·6	- 1·4	36	7	25	40·1	•	41·9	•
p Southampton	64	—	—	—	—	—	—	—	—	—	—	—	—	Southampton ..	•	•	•	•	•	•	•	•	•
a Ventnor	59	49	5th	31	2, 4	44·4	32·9	38·4	- 8·4	5	0·84	21	+ 13	Ventnor	5·2	- 0·9	40	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	48	5th	28	2nd	43·9	30·4	36·8	- 9·0	5	0·96	24	+ 17	Richmond ..	4·1	- 1·0	32	6	20	38·1	-5·3	41·7	-2·5
a Westminster	27	51	5th	30	1, 2, 5, 7	45·3	31·3	38·0	- 8·6	5	0·89	23	+ 16	Westminster ..	3·7	- 0·3	29	5	25	•	•	•	•
a Greenwich	155	51	5th	26	7th	44·9	29·6	36 9	- 8 3	5	0·85	22	+ 13	Greenwich ..	3·9	- 0·3	30	6	22	•	•	•	•
a Hampstead	450	49	5th	27	1, 2	41·8	28·5	34·8	—	5	0·91	23	—	Hampstead ..	4·3	—	33	7	16	•	•	•	•
a Camden Square ..	110	51	5th	27	1, 2, 7	46·0	29·4	37·3	- 9·4	5	1 01	26	+ 18	Camden Square	3·8	- 0·6	30	7	21	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	45	7th	17	2nd	37·4	22·9	29·8	-13·3	5	0·56	14	+ 2	Aspatria	3·9	- 1·3	30	7	14	37·1	•	40·0	•
p Newton Rigg	559	47	7th	5	2nd	39·4	18·7	28·6	-13·6	4	0·61	16	+ 5	Newton Rigg ..	3·1	- 2·0	24	7	-1	37·8	-4·3	39·6	-1·7
p Stonyhurst	377	46	7th	14	2nd	41·0	24·3	32·3	-10·8	3	0·28	7	- 8	Stonyhurst ..	2·8	- 2·2	22	7	12	•	•	•	•
p Blackpool	66	49	7th	23	2, 3	42·0	28·3	34·8	- 9·0	4	0 24	6	- 4	Blackpool ..	4·7	- 1·2	36	5	13	39·2	•	41·9	•
a Southport	37	49	7th	18	3rd	42·1	25·4	33·4	-10·7	3	0·29	7	- 3	Southport ..	5·1	- 0·6	39	6	17	37·6	-5·7	40·4	-2·9
														Hoylake ..	6·0	+ 0·6	46	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	48	7th	23	2, 3	41·1	28·6	34·6	-10·1	3	0·63	16	+ 7	Liverpool ..	6·5	—	50	7	20	•	•	•	•
a Hawarden Bridge ..	22	50	7th	30	1-3	45·7	31·3	38·2	- 7·2	1	0·06	2	- 6	Manchester (City)	2·1	- 2·1	16	6	17	35·9	-6·0	40·8	-2·1
p Manchester (Whit. Pk.)	125	46	5th	26	1, 2	41·8	31·4	36·4	- 8·7	3	0·67	14	+ 4	Whitworth Park	2·6	- 1·2	20	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	71	48	7th	25	2nd	41·7	29·7	35·4	- 9·9	4	0·27	7	- 2	Llandudno ..	7·2	+ 1·4	55	•	•	•	•	•	•
a Holyhead	15	50	7th	26	2, 3	43·4	32·1	37·5	- 7·4	5	0·41	10	- 1	Holyhead ..	5·8	—	45	5	22	•	•	•	•
p Bettws-y-Coed ..	148	48	7th	24	2nd	42·7	27·9	34·9	- 9·3	5	1 53	39	—	Bettws-y-Coed.	4·3	—	33	•	•	36·7	-5·4	41·9	-1·5
p Aberdovey	22	48	4, 7	26	2nd	43·7	31·6	37·4	—	4	0·69	18	—	Aberdovey ..	5·5	—	42	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	47	7th	26	4th	41·3	29·9	35·3	—	3	0·43	11	—	Aberystwyth ..	6·3	+ 1·2	49	*	*	*	*	*	*
a Rhayader	757	45	7th	18	3rd	39·1	24·1	31·2	—	5	0·71	18	—	Rhayader ..	4·7	—	36	7	13	*	*	*	*
a St. Ann's Head	149	49	7th	29	3rd	42·6	32·4	37·3	- 7·8	6	0·96	24	+ 13	St. Ann's Head	5·3	- 0·3	41	*	*	*	*	*	*
p Cardiff	202	49	7th	27	2nd	44·6	29·4	36·6	- 8·3	4	0·64	16	+ 2	Cardiff	6·2	—	48	7	17	40·3	-3·0	42·2	-1·4
b, ENGLAND, S.W.																							
a Bath	66	51	7th	25	5th	46·1	29·7	37·5	- 7·8	3	0·92	23	+ 13	Bath	*	*	*	*	*	41·2	-4·1	42·2	-3·1
a Shaftesbury	722	50	7th	28	2-5	42·3	29·4	35·5	- 8·5	4	0·67	17	+ 6	Shaftesbury ..	*	*	*	*	*	39·3	*	41·0	*
a Arlington	613	48	7th	26	2, 4, 5	41·7	28·9	35·0	- 9·1	5	1·10	28	+ 11											
a Newquay	190	50	5th	28	4th	43·6	32·1	37·6	- 8·8	7	0·81	21	+ 10	Newquay ..	6·6	+ 1·1	51	*	*	42·9	*	44·6	*
a Cullompton	202	50	7th	24	5th	46·0	29·7	37·5	- 8·1	4	0·75	19	+ 7	Cullompton ..	5·3	+ 0·4	41	6	17	41·5	*	*	*
a Portland Bill	19	47	7th	33	2-5	43·3	34·7	38·8	- 6·8	4	0·43	11	+ 2	Weymouth ..	5·7	—	44	*	*	*	*	*	*
p Plymouth	116	50	5th	28	4th	46·0	31·9	38·6	- 8·1	5	0·53	14	+ 1	Plymouth ..	6·4	+ 0·9	50	*	*	42·0	-4·0	44·0	*
a Falmouth	167	50	5th	29	2-5	45·4	31·3	38·0	- 8·5	6	0·86	22	+ 8	Falmouth ..	6·3	+ 0·5	49	6	21	44·1	*	45·5	*
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	45	4, 6	25	1st	41·1	31·6	36·1	- 7·7	4	0·48	12	+ 1	Malin Head ..	4·9	—	38	*	*	*	*	*	*
a Blacksod Point ..	327	48	7th	26	2nd	40·9	30·9	35·7	- 9·6	7	0·60	15	- 3	Markree Castle	4·8	- 0·1	37	7	17	40·8	*	43·0	*
p Markree Castle ..	122	52	7th	21	2nd	43·9	27·1	35·1	- 9·1	5	0·53	13	- 3										
b, East .. *p* Armagh	196	50	7th	20	2nd	43·0	28·1	35·2	- 8·7	6	0·95	24	+ 12	Armagh	4·6	- 0·2	35	5	13	39·5	-4·5	42·5	-1·7
a Donaghadee	101	46	4th	28	1, 2	40·6	31·4	35·8	- 8·3	5	0·25	6	- 5										
10. IRELAND, S.																							
p Dublin, City	47	49	5th	24	1st	43·0	31·3	36·9	- 9·3	3	0·23	6	- 4	Dublin City ..	*	*	*	5	21	*	*	*	*
a Birr Castle	175	49	7th	20	3rd	42·7	26·1	34·0	-10·5	6	0·38	10	- 2	Trinity Coll. ..	*	*	*	6	16	40·5	-4·0	43·8	-1·4
a Kilkenny	212	49	7th	26	1st	44·1	29·4	36·4	- 8·6	5	0·55	14	+ 2	Phœnix Park ..	4·1	- 1·2	32	7	13	*	*	*	*
a Waterford	20	50	7th	26	1, 2	44·1	30·3	36·9	- 9·1	4	0·48	12	- 2	Birr Castle ..	3·8	- 1·1	29	7	17	*	*	*	*
a Seskin, Carrick-on-Suir	541	50	7th	22	1st	42·1	28·3	34·9	—	5	1·30	33	—	Seskin	5·5	—	42	6	20	*	*	*	*
a Cahir	199	52	7th	24	2nd	44·4	30·6	37·2	- 8·0	5	0·98	25	—										
a Foynes	50	52	7th	25	2nd	44·7	31·6	37·8	- 8·3	6	0·23	7	- 6										
a Cahirciveen (Val. Obs.)	30	50	7th	29	2nd	44·7	32·9	38·5	- 8·3	7	0·74	19	- 2	Cahirciveen ..	4·7	- 0·5	36	3	28	*	*	*	*
a Killarney	174	54	7th	23	2nd	46·9	30·9	38·5	- 7·7	7	0·78	20	+ 1	Ballinacurra ..	5·0	- 0·6	39	*	*	*	*	*	*
a Roche's Point	32	52	7th	27	2nd	45·3	32·0	38·3	- 8·0	6	0·54	14	- 1										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	7th	?32	2nd	46·1	36·0	40·8	- 6·8	7	0·98	25	+ 15	Scilly	6·7	+ 1·1	52	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	50	5th	31	5th	46·1	33·4	39·5	- 8·2	4	0·41	10	0	St. Heliers ..	5·8	- 0·2	45	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	52	7th	31	3rd	46·4	35·0	40·4	- 7·4	5	0·60	15	+ 4	Guernsey† ..	6·4	+ 0·4	50	7	24	42·2	-5·0	44·6	-2·2

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 7th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		day. hr.	m/s.	d. h. m.
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	16	112	40	0	— m/s. 7	3 12	16	3 4 15
Aberdeen	153	105	52	—	—	2, 3	16	48	90	14	0	ENE. 13	3 5	18	3 3 40
Edinburgh	485	39	31	—	—	2, 3	5	29	102	31	1	NNE. 14	3 8	22	3 8 10
6 SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	2, 3	16	24	46	69	13	NE. by N. 17	3 8	22	3 8 30
Paisley	188	81	52	—	—	—	—	30	79	59	0	ENE. 10	3 3	22	3 11 15
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	14	110	41	3	E. 9	2 19	15	3 6 30
South Shields	72	61	12	—	—	2	6	32	75	51	4	ESE. 16	2 15	22	2 15 0
Spurn Head	66	40	‡	2	1	1, 2	6	38	65	26	32	— 18	2 10	25	2 9 50
3. ENGLAND, E.															
Gorleston	52	42	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
Shoeburyness	103	90	‡	2	1	2, 3	12	53	85	12	2	S. by E. 17	2 8	24	2 7 30
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	2	3	27	87	51	0	ESE. 15	2 5	20	2 5 0
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
Warlingham	642	33	‡	—	—	—	—	21	80	59	8	— 8§§	3 12	17	2 10 25
Brighton	261	53	6	—	—	—	—	49	57	21	50	— 10	3 1	19	3 1 10
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	30	100	38	0	SE. by S. 9	2 6	18	2 5 40
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	4	74	90	0	NE. by E. 7	2 10	13	2 9 40
Southport	80	62	48	—	—	1, 2	7	51	102	8	0	NE. by E. 15	2 8	22	2 8 10
Holyhead	60	40	‡	—	—	1 to 4	19	78	59	12	0	NNE. 17	2 11	—	— — —
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	3, 5	9	50	40	42	27	— —	— —	27	— — —
Plymouth	185	88	2	1	2	1	2	59	67	38	0	— 19	1 23	25	1 23 50
Lyme Regis	556	61	‡	—	—	1, 2	3	55	66	44	0	— 16	2 1	25	2 0 40
10. IRELAND, S.															
Quilty	100	40	‡	—	—	1 to 3	29	63	71	5	0	— 17	3 1	24	2 20 25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	1 to 3	17	59	81	11	0	NE. 17	1 24	29	2 0 5
Weaver Pt.	160	30	‡	—	—	1 to 3	3	72	88	5	0	— 13	1 17	20	1 17 10
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	2	3	1 to 3	19	62	67	17	0	NNW. 20	2 11	28	2 10 50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

‖ From Cup Anemometer record.

§§ No record between 3h and 10h—water frozen.

* Above tops of trees

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTEENTH WEEK of 1917—April 1st to April 7th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	50	11	77·5	69·8	73·4	− 5·0	0	− 22	64	+ 42	5	+ 1	0·36	9	− 11	5·3	+0·9	41	1004
Eastern.																			
1. SCOTLAND, EAST ...	48	11	77·1	69·0	72·8	− 5·8	0	− 26	72	+ 47	4	0	0·89	23	+ 13	5·2	+0·2	40	1003
2. ENGLAND, N.E.	52	7	77·8	69·6	73·5	− 5·7	0	− 28	64	+ 46	5	+ 2	0·71	18	+ 11	4·0	−1·6	31	1002
3. ENGLAND, EAST ...	52	17	79 2	71·3	75·1	− 4·6	3	− 32	44	+ 26	5	+ 2	0 70	18	+ 11	4·6	−1·0	36	1003
4. MIDLAND COUNTIES ...	51	10	79·4	70·3	74·6	− 5·2	4	− 34	50	+ 30	3	0	0·49	12	+ 3	4·9	−0·1	38	1002
5. ENGLAND, S.E.	50	21	79·7	72·0	75·7	− 4·9	6	− 32	41	+ 30	5	+ 2	0·91	23	+ 15	4·5	−1·0	35	1003
Western.																			
6. SCOTLAND, WEST ...	49	11	78·2	70·4	74·1	− 5·4	0	− 28	56	+ 39	4	0	0·42	11	− 5	4·5	−0·8	34	1003
7. ENGLAND, N.W.	50	5	78·3	70·4	74·2	− 5·5	0	− 30	55	+ 40	4	+ 1	0 52	13	+ 2	4·7	−0·5	37	1002
8. ENGLAND, S.W.	51	18	79·5	72·0	75·6	− 4·8	5	− 31	40	+ 31	5	+ 2	0·76	19	+ 6	5·8	+0·7	45	1002
9. IRELAND, NORTH ...	52	20	78·6	71·4	74·8	− 5·0	0	− 31	47	+ 34	6	+ 2	0·53	13	− 1	4·7	−0 1	36	1004
10. IRELAND, SOUTH ...	54	20	79·9	72·2	75·9	− 4·8	7	− 31	39	+ 30	5	+ 1	0·55	14	0	4·4	−0·8	34	1005
11. ENGLISH CHANNEL ...	52	31	80·9	74·6	77·6	− 4·1	12	− 30	26	+ 24	5	+ 1	0·66	17	+ 7	6·3	+1·3	49	1004

THE SEASON (Spring).—Aggregates, &c., for the Period of 5 Weeks, March 4th to April 7th, 1917.

0. SCOTLAND, NORTH ...	55	11	78·3	72·5	75·3	− 2·0	15	− 55	222	+ 81	27	+ 3	3·97	100	− 20	2·8	−0·6	23	1007
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	78·3	71·1	74·6	− 2·8	21	− 67	276	+118	23	+ 2	2·68	69	+ 2	3·8	−0·1	32	1007
2. ENGLAND, N.E.	57	7	78·9	71·9	75·3	− 2·9	32	− 73	242	+121	22	+ 3	2·50	64	+ 16	3·5	−0·8	30	1007
3. ENGLAND, EAST ...	59	16	79·3	72·1	75·6	− 2·9	32	− 99	223	+ 99	23	+ 6	2·75	70	+ 24	3·1	−1·3	26	1008
4. MIDLAND COUNTIES ...	58	9	79·7	71·8	75·6	− 2·9	41	− 96	234	+102	20	+ 3	2·59	66	+ 15	3·3	−0·6	27	1008
5. ENGLAND, S.E.	57	18	80·0	73·0	76·4	− 2·8	39	− 99	185	+ 92	23	+ 6	3·15	80	+ 27	3·4	−1·0	28	1008
Western.																			
6. SCOTLAND WEST ...	55	11	79·3	72·6	75·8	− 2·5	35	− 61	218	+107	20	− 1	2·69	69	− 30	3·9	−0·1	32	1008
7. ENGLAND, N.W.	54	5	79·2	72·8	75·9	− 2·7	31	− 74	210	+109	20	+ 1	2·94	75	+ 6	3·9	−0·1	33	1007
8. ENGLAND, S.W.	59	18	80·3	73·6	76·8	− 2·5	53	− 81	154	+ 75	24	+ 5	4·11	104	+ 24	4·6	+0·3	39	1008
9. IRELAND, NORTH ...	59	20	80·2	73·7	76·8	− 2·1	55	− 60	157	+ 62	26	+ 2	2·78	70	− 11	3·7	−0·1	31	1008
10. IRELAND, SOUTH ...	61	20	81·5	74·3	77·8	− 1·9	90	− 59	129	+ 56	25	+ 5	3·30	85	0	3·7	−0·6	31	1009
11. ENGLISH CHANNEL ...	54	29	81·3	75·8	78·5	− 2·2	75	− 90	92	+ 66	25	+ 4	3·85	98	+ 31	4·5	−0·6	37	1009

THE YEAR 1917.—Aggregates, &c., for the Period of 14 Weeks, December 31st, 1916, to April 7th, 1917.

0. SCOTLAND, NORTH ...	55	10	78·1	73·1	75·6	− 1·1	46	− 83	576	+ 115	64	− 6	9·77	247	−148	2·0	−0·1	21	1013
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	77·6	71·7	74·6	− 1·9	42	−109	750	+ 218	54	− 3	6·19	160	− 34	2·5	−0·2	26	1014
2. ENGLAND, N.E.	58	5	77·7	72·4	75·0	− 2·2	66	−121	703	+ 277	55	+ 2	6·37	162	+ 25	2·1	−0·7	21	1013
3. ENGLAND, EAST ...	59	5	77·7	72·3	75·0	− 2·3	65	−157	699	+ 248	56	+ 4	5·55	142	+ 7	1·9	−1·1	19	1013
4. MIDLAND COUNTIES ...	58	4	77·8	71·8	74·8	− 2·5	77	−161	755	+ 287	48	− 4	5·56	143	− 14	1·8	−0·8	18	1014
5. ENGLAND, S.E.	57	4	78·2	72·9	75·5	− 2·5	81	−174	632	+ 279	47	− 4	5·67	144	− 23	2·3	−0·7	23	1013
Western.																			
6. SCOTLAND, WEST ...	55	11	78·3	73·0	75·7	− 1·8	67	−115	593	+ 223	49	−14	7·05	180	−144	2·4	−0·1	24	1014
7. ENGLAND, N.W.	58	5	78·0	72·7	75·4	− 2·3	71	−126	648	+ 297	47	− 9	6·70	171	− 46	2·4	−0·2	24	1014
8. ENGLAND, S.W.	59	4	78·6	73·3	75·9	− 2·6	113	−165	572	+ 292	48	− 9	7·36	186	− 71	3·0	+0·1	30	1014
9. IRELAND, NORTH ...	59	7	79·1	73·8	76·4	− 1·8	125	−114	486	+ 176	60	− 8	7·10	180	− 73	2·4	−0·1	25	1013
10. IRELAND, SOUTH ...	61	9	79·8	74·1	76·9	− 2·1	187	−144	460	+ 219	57	− 4	7·77	199	− 78	2·6	−0·3	26	1015
11. ENGLISH CHANNEL ...	54	22	79·9	75·6	77·8	− 2·3	180	−202	325	+ 221	54	− 9	7·80	198	− 19	3·1	−0·4	30	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : April 12th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 57

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C 2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

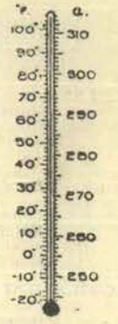
FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 15.

THE FIFTEENTH WEEK OF 1917.
SUNDAY, APRIL 8TH, TO SATURDAY, APRIL 14TH.

Price 6d., Post free 7d.
Annual Subscription Post paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The almost uninterrupted cold weather of the present year was continued throughout the past week over the whole country, mean temperature being about 4 a. below normal in all districts, a figure which was but slightly less than that of the preceding week. The highest temperatures recorded during the week were generally between 280 a. and 283 a.; the latter figure was exceeded at very few stations. On the 10th the temperature at Malin Head, on the North coast of Ireland, did not rise above 273·5 a. throughout the day. There were some very low minimum readings, 261 a. at Balmoral and 263·5 a. at Glencarron, in both cases on the night of the 10th. At only one or two stations did the thermometer fail to reach the freezing point at some time during the week. Sea temperature showed little change from the preceding week, being below the normal at all stations, particularly around the Irish coast where the deficiency amounted to 4 a.



Winds from the West were prevalent and these reached gale force at the more exposed stations during the first half of the week. With these cold winds were associated frequent snow and hail showers, so that precipitation was everywhere in excess of the normal. The excess was particularly pronounced over the eastern districts. In the Midland Counties, England South-East and the English Channel a total fall of more than 200 per cent. of the normal was reported. In the south of the country the snow did not lay to any great depth, but measurements exceeding 15 cm. were reported at several stations in the North on the 11th and 12th, the largest being 30 cm. at Dumfries at 9 h. on the 11th.

Sunshine measurements were nearly up to the average in most parts, but a deficiency occurred in Scotland West and Ireland North, each with 4 hours of bright sunshine per day, or 1 hour below normal.

Thunder and lightning were observed at a few widely scattered stations on different days between the 10th and 14th.

A faint aurora was reported from Seskin, Carrick-on-Suir, at 21 h. on the 14th.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 6.)	Mean Value.	Frequency. (Max. 6.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	2	6·2	2	4·4	4	3·8	5	3·7	2	5·7	0	—	2	4·2	1	3·3
North	5	5·0	3	3·9	2	1·6	2	1·7	5	5·8	6	6·2	2	4·1	5	5·9
West	5	5·5	5	4·7	6	3·6	6	4·3	6	7·1	7	7·6	7	8·2	6	6·4
East	2	3·1	1	2·6	¼	1·1	1	1·3	1	3·2	0	—	0	—	1	0·4
Calm	0	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
Rainfall ...	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy
Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 6 weeks from Mar. 4th, 1917. Warmth ...	0, 2, 4	0, 1, 5	0, 0, 6	0, 1, 5	0, 1, 5	0, 1, 5	0, 1, 5	0, 1, 5	0, 1, 5	0, 2, 4	0, 2, 4	0, 1, 5
Rainfall ...	2, 2, 2	2, 4, 0	4, 1, 1	4, 2, 0	2, 4, 0	3, 3, 0	1, 4, 1	2, 3, 1	3, 2, 1	2, 3, 1	1, 3, 2	4, 2, 0
Sunshine ...	1, 3, 2	1, 3, 2	0, 4, 2	0, 3, 3	0, 5, 1	1, 2, 3	1, 3, 2	2, 3, 1	1, 4, 1	0, 5, 1	1, 4, 1	0, 4, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour

(10995—19.) Wt. 153—442. 450. 4/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick ..	54	45	11th	30	10, 14	42·1	33·0	37·3	- 2·8	7	1·18	30	+ 15										
p Deerness	160	44	12th	27	10th	40·1	32·4	36·1	—	7	0·59	15	+ 1	Deerness	4·8	+ 0·2	35	•	•	•	•	•	•
a Stornoway	51	43	8, 11, 12	23	11th	40·4	30·3	35·1	- 7·0	7	1·18	30	+ 10	Stornoway	4·4	- 0·5	32	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
b, Mainland. *a* Wick	81	45	8th	24	11th	40·0	30·0	34·8	- 6·8	7	0·68	17	+ 4	Fort Augustus	3·3	- 0·3	24	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	41	8, 12	15	11th	38·0	26·7	32·1	-10·2	6	1·49	38	- 2										
p Fort Augustus	68	46	14th	23	11th	41·1	29·7	35·1	- 7·3	6	0·86	22	+ 5										
p Fort William	171	45	12th	22	11th	41·9	29·4	35·4	- 8·0	7	1·11	28	- 2										
1. SCOTLAND, E.																							
a Nairn	82	49	8th	19	11th	41·4	27·7	34·2	- 8·4	7	1·15	29	+ 18	Nairn	4·3	—	31	•	•	•	•	•	•
p Gordon Castle	101	48	8th	19	11th	41·3	28·0	34·3	- 8·6	7	0·99	25	+ 13	Gordon Castle	4·3	—	31	•	•	•	•	•	•
a Aberdeen	46	46	8th	24	11th	42·1	30·7	36·1	- 6·4	5	0·48	12	- 1	Aberdeen	5·0	+ 0·1	37	5	21	•	•	39·3	-2·4
a Balmoral	930	47	8th	10	11th	39·3	26·1	32·4	- 7·0	6	0·59	15	- 1	Balmoral	•	•	•	7	8	•	•	•	•
p Crieff	432	48	12th	23	11th	42·3	27·1	34·3	- 9·0	4	0·36	9	- 6	Crathes	4·1	- 0·6	30	6	11	37·1	-5·0	38·3	-2·9
a Dundee	244	48	11, 12	23	11th	44·6	29·1	36·5	—	2	0·27	7	- 5	Dundee	4·5	—	33	5	29	37·7	•	•	•
a Leith	18	48	8th	25	10, 11	42·6	32·4	37·3	- 6·8	3	0·59	15	+ 6	Leith	•	•	•	5	25	•	•	•	•
a Edinburgh	441	45	8th	24	11th	41·9	30·0	35·7	—	3	0·46	12	+ 2	Edinburgh	3·3	- 1·0	24	4	20	•	•	•	•
a West Linton	769	42	12th	22	10, 11	37·4	27·4	32·2	- 7·8	4	0·59	15	—	West Linton	3·7	—	27	7	19	•	•	•	•
p Marchmont	498	44	8th	22	11th	40·3	28·6	34·2	- 7·8	5	1·14	29	+ 15	Marchmont	4·1	- 0·4	30	5	20	•	•	•	•
6. *a* SCOTLAND, W.																							
a Poltalloch	132	47	12, 14	—	—	42·6	—	—	—	5	0·58	15	- 2										
p Glasgow Observatory	180	45	12, 14	27	10th	41·7	31·1	36·2	- 7·7	5	0·58	15	+ 3	Glasgow	3·6	- 0·4	27	5	22	•	•	•	•
p Rothesay	170	47	12th	28	10, 11	42·3	31·0	36·4	- 7·9	6	0·95	24	+ 6	Rothesay	4·3	—	32	7	22	39·3	•	41·0	-2·3
a Kilmarnock	90	46	8th	25	12th	42·7	30·1	36·1	- 7·1	6	0·73	19	+ 6	Kilmarnock	3·4	—	25	•	•	38·0	•	40·5	•
a Colmonell	170	47	12th	25	12th	42·9	30·4	36·4	- 7·1	6	0·78	20	+ 5	Colmonell	•	•	•	6	23	•	•	•	•
p Cally, Gatehouse	120	49	14th	23	10th	42·7	28·9	35·5	- 7·9	7	0·73	19	+ 2	Dumfries	4·2	—	31	6	22	38·2	•	40·0	•
a Dumfries	160	46	8th	27	10, 11	41·6	30·6	35·8	- 8·4	5	0·98	25	+ 12	Eskdalemuir	3·9	—	29	5	18	•	•	•	•
a Eskdalemuir	794	41	12th	21	11th	37·9	26·7	32·0	—	6	1·65	42	—										
b, I. OF MAN *p* Douglas	277	45	8, 14	23	11th	41·0	30·9	35·7	- 8·4	7	1·06	27	+ 12	Douglas	4·0	- 1·8	29	5	24	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	49	8th	24	11th	42·4	31·3	38·6	- 6·1	7	0·97	25	+ 13										
a Tynemouth	71	46	8, 9	27	10, 11	42·4	31·6	36·7	- 6·3	7	0·71	18	+ 9	Cockle Park	5·2	+ 0·6	38	5	16	35·6	-6·6	38·1	-4·0
p Durham	336	47	8th	26	11, 12	42·4	29·6	35·7	- 7·2	7	0·55	14	+ 4	Durham	3·8	- 0·6	28	5	20	•	•	•	•
a North .. *p* Rounton	249	48	8th	27	12th	43·7	29·6	36·3	- 6·5	6	0·62	16	+ 5	Rounton	•	•	•	6	22	37·3	•	•	•
a West Witton	605	47	8th	25	10th	41·7	30·1	35·6	—	8	1·03	26	—	West Witton	•	•	•	6	21	36·9	•	37·4	•
p Scarborough	100	50	14th	29	11th	45·3	33·0	38·9	- 5·0	7	0·83	21	+ 11	Scarborough†	4·3	- 0·6	32	•	•	•	•	41·5	•
p York	56	51	8th	28	10th	45·3	32·4	38·5	- 6·3	7	0·75	19	+ 9	York	4·6	+ 0·3	34	•	•	39·1	-4·9	40·2	-2·8
b, South .. *a* Spurn Head	26	48	8, 14	29	10th	44·3	33·0	38·4	- 5·5	5	0·35	9	+ 2	Spurn Head	3·6	—	27	•	•	•	•	•	•
a Lincoln	58	50	8th	29	10th	45·6	33·9	39·5	- 5·6	7	0·95	24	+ 15	Lincoln	•	•	•	•	•	38·9	-5·1	40·6	-2·5
a Fulbeck	180	50	8th	27	10th	44·7	31·1	37·6	- 7·4	7	0·57	14	+ 5	Rauceby	4·9	- 0·2	37	6	23	40,2	-5·9	41·1	-2·9
														Skegness	4·6	- 0·8	34	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	50	8th	28	10, 11	45·1	31·0	37·7	- 6·5	7	0·63	16	+ 8	Cromer	5·1	- 0·2	38	•	•	•	•	•	•
p Little Massingham	280	49	8th	27	8, 10, 11	44·6	29·3	36·6	- 8·0	7	0·70	18	+ 8	Lit. Massingham	3·9	- 1·1	29	7	24	•	•	•	•
a Yarmouth	13	49	14th	29	11th	44·4	31·3	37·5	- 6·4	6	0·83	21	+ 11	Yarmouth	4·2	—	31	4	25	40·0	-6·5	42·1	-3·6
a Norwich	93	50	8, 13	26	8th	46·7	30·9	38·4	- 6·4	6	0·88	22	+ 11	Norwich	3·9	—	29	7	20	38·1	•	•	•
a Geldeston	37	50	13th	25	8th	46·1	29·6	37·5	- 7·0	7	0·60	15	+ 6	Geldeston	3·9	- 1·3	29	•	•	•	•	•	•
p Cambridge	41	51	8, 14	27	8th	47·3	30·6	38·6	- 6·8	7	0·48	12	+ 3	Cambridge	4·1	- 1·1	31	7	20	40·1	-6·2	41·5	-3·8
a Clacton-on-Sea	54	49	13th	31	8, 13	44·0	32·6	38·0	- 6·5	5	0·41	10	+ 2	Clacton	5·8	+ 0·2	43	5	20	40·3	-7·0	42·4	-3·5
a Rothamsted	424	50	8th	25	11th	44·6	29·4	36·6	- 7·9	6	0·60	15	+ 5	Rothamsted	4·8	- 0·1	36	7	18	37·8	•	•	•
p Tottenham	51	50	14th	29	8th	46·3	32·3	39·0	—	6	0·76	19	—	Tottenham	4·9	—	37	5	26	•	•	41·4	-3·5
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	48	8th	25	10th	42·6	29·9	36·0	- 7·0	7	0·99	25	+ 14	Harrogate	5·8	+ 0·9	43	6	23	37·9	-4·6	39·4	-2·9
p Sheffield	429	50	14th	26	10th	43·7	30·7	36·9	—	7	1·21	31	—	Sheffield	6·0	+ 1·6	45	5	24	38·4	-4·4	39·3	-2·6
p Buxton	987	44	8, 14	23	10th	39·7	28·3	33·7	—	7	2·10	53	+ 36	Buxton	4·3	—	32	4	22	35·3	-7·4	38·3	-3·3
b, East .. *a* Bawtry	65	52	8th	27	10, 11	45·4	30·4	37·5	- 7·4	6	1·04	26	+ 18	Worksop	5·2	+ 0·9	39	7	22	40·1	•	40·6	•
a Nottingham	82	50	8, 14	27	10th	45·0	30·1	37·2	- 7·6	6	0·65	16	+ 8	Nottingham	4·7	+ 0·1	35	6	24	37·6	-6·4	38·0	-4·3
p Birmingham, Edgbsn.	535	48	14th	28	10th	43·1	31·6	37·1	- 7·5	6	0·89	23	+ 13	Birmingham	4·5	+ 0·7	34	6	23	37·2	-5·8	41·0	-2·7
a Raunds	203	52	14th	26	11th	46·9	29·0	37·5	- 7·6	6	0·78	20	+ 12	Raunds	•	•	•	7	18	40·1	•	41·5	•
p Oxford	268	52	9, 14	28	10th	47·0	32·3	39·3	- 6·5	7	0·92	23	+ 14	Oxford	5·1	+ 0·2	38	6	21	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.)	646	48	8, 14	25	10th	44·9	28·7	36·4	- 7·1	7	0·81	21	+ 9	Cheadle	•	•	•	7	23	•	•	•	•
p Shrewsbury	191	51	8th	28	10th	45·7	31·3	38·2	- 7·0	6	0·58	15	+ 6	Shrewsbury	•	•	•	6	25	•	•	•	•
a Hereford§	291	51	13th	27	10, 13	45·9	30·3	37·7	- 7·8	6	0·59	15	+ 5	Malvern§	4·9	—	37	6	21	39·4	•	41·0	•
a Clifton	229	50	8th	30	10th	46·3	33·6	39·7	- 6·8	5	0·73	19	+ 3	Clifton	6·6	—	49	3	28	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	48	8, 10, 13	27	13th	46·3	30·6	38·1	- 6·1	7	0·99	25	+ 15	Worthing	6·5	+ 0·9	49	5	23	41·7	-4·6	43·2	-2·2
p Salisbury (Wilton)	180	52	8th	29	13, 14	47·0	30·7	38·5	- 6·9	6	1·05	27	+ 16	Marlborough	4·1	- 0·4	31	3	23	41·4	•	43·0	•
a Wisley, Surrey	150	52	8th	28	8th	46·7	31·7	38·8	- 6·8	7	0·82	21	+ 14	Salisbury	•	•	•	6	26	41·4	•	•	•
a Tunbridge Wells	354	50	8th	27	8th	45·4	30·9	37·8	- 7·7	5	0·90	23	+ 14	Wisley	5·1	+ 0·2	38	6	16	40·1	-5·2	41·2	-3·6
a Margate	53	48	13, 14	30	10th	44·9	33·0	38·7	- 7·1	6	0·46	12	+ 5	Tunbridge Wells	4·7	- 0·6	35	6	18	40·6	-4·6	41·8	•
														Margate	5·0	- 0·3	37	6	25	39·9	-5·1	41·7	-2·6
a Dungeness	21	47	9, 13, 14	31	8, 11, 13	45·6	32·4	38·7	- 6·3	6	0·75	19	+ 12	Dover	6·1	—	46	5	18	•	•	•	•
p St. Leonards	178	47	8, 14	31	10, 11	44·7	32·9	38·5	- 7·3	6	0·60	15	+ 7	St. Leonards	6·8	+ 1·2	51	4	27	41·4	•	42·1	•
p Southampton	64	52	8th	29	13th	47·4	32·9	39·8	- 7·5	6	0·65	17	+ 8	Southampton	5·2	- 0·2	39	7	13	•	•	•	•
a Ventnor	59	50	8th	33	11th	46·7	35·6	40·9	- 6·1	4	0·62	16	+ 7	Ventnor	6·3	+ 0·7	47	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	50	8, 14	30	8, 13	46·6	32·2	39·1	- 7·0	7	0·81	21	+ 14	Richmond	4·8	- 0·1	36	6	20	39·7	-5·5	41·9	-2·9
a Westminster	27	51	8th	30	13th	47·4	33·4	40·1	- 6·9	7	0·64	16	+ 9	Westminster	4·4	+ 0·4	33	4	27	•	•	•	•
a Greenwich	155	52	8th	27	8th	47·7	31·1	39·0	- 7·4	6	0·59	15	+ 6	Greenwich	4·5	- 0·1	34	6	21	•	•	•	•
a Hampstead	450	48	8, 13	27	10th	44·4	29·6	36·6	—	7	0·96	24	—	Hampstead	4·3	—	32	7	16	•	•	•	•
a Camden Square	110	52	13th	27	8th	47·7	30·9	38·9	- 8·3	7	0·86	22	+ 14	Camden Square	4·6	+ 0·3	34	7	25	•	•	•	•
7. *a*, ENGLAND, N.W.																							
c Aspatria (Mealsgate)	487	43	8, 14	16	10th	39·1	27·3	32·9	-10·6	6	1·12	29	+ 16	Aspatria	3·5	- 1·4	26	5	22	37·7	•	39·8	•
p Newton Rigg	559	46	8th	21	12th	40·7	28·4	34·3	- 8·3	6	1·69	43	+ 31	Newton Rigg	4·0	- 0·9	29	6	16	38·2	-5·2	39·2	-2·8
p Stonyhurst	377	48	8th	28	10th	41·6	31·9	36·5	- 7·0	5	0·85	22	+ 6	Stonyhurst	5·1	+ 0·3	38	6	23	•	•	•	•
p Blackpool	66	48	8th	30	10, 12	43·3	33·6	38·2	- 6·0	5	0·45	11	0	Blackpool	5·3	- 0·3	40	4	24	40·9	•	41·9	•
a Southport	37	49	8th	30	8, 10	43·3	33·3	38·1	- 6·4	6	0·70	18	+ 7	Southport	5·9	+ 0·5	44	4	22	40·1	-5·1	40·8	-3·5
														Hoylake	4·2	- 1·0	31	•	•	•	•	•	•
a Liverpool (Bidston)	188	48	8th	30	10, 11	42·0	32·9	37·2	- 7·9	7	0·76	19	+ 9	Liverpool	4·4	—	33	6	24	•	•	•	•
a Hawarden Bridge	22	50	8, 14	30	10, 11	44·3	33·1	38·4	- 7·4	7	0·68	17	+ 8	Manchester (City)	3·6	- 0·5	27	3	24	37·5	-5·6	40·6	-3·0
p Manchester (Whit. Pk.)	125	50	8th	29	10, 13	43·8	31·6	37·4	- 8·1	7	0·79	20	+ 9	Whitworth Park	3·3	- 0·4	25	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	71	48	8th	30	10, 11	43·7	33·9	38·6	- 7·0	7	0·89	23	+ 12	Llandudno	4·3	- 1·2	32	•	•	•	•	•	•
a Holyhead	15	47	8, 13, 14	30	11th	43·7	34·9	39·1	- 6·1	6	0·83	21	+ 9	Holyhead	5·3	—	40	2	26	•	•	•	•
p Bettws-y-Coed	148	48	13, 14	29	13th	43·9	31·4	37·4	- 7·2	7	1·70	43	—	Bettws-y-Coed	3·8	—	28	•	•	37·6	-5·8	41·1	-2·9
p Aberdovey	22	47	14th	31	10, 12	43·3	34·6	38·7	—	7	0·90	23	—	Aberdovey	3·9	- 1·4	29	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	66	8th	30	10th	42·6	33·4	37·8	—	7	0·79	20	—	Aberystwyth	4·3	- 1·1	32	*	*	*	*	*	*
a Rhayader	757	45	8th	26	10th	40·3	29·9	34·9	—	7	1·02	26	—	Rhayader	4·8	—	36	6	26	*	*	*	*
a St. Ann's Head	149	48	14th	31	11th	43·6	35·3	39·3	- 6·2	5	0·48	12	+ 1	St. Ann's Head	25·5	- 0·4	41	*	*	*	*	*	*
p Cardiff	202	49	8th	29	10th	45·6	32·0	38·5	- 7·1	7	0·99	25	+ 11	Cardiff	6·2	—	46	6	20	41·4	-3·6	42·6	-1·6
b, ENGLAND, S.W.																							
a Bath	66	52	8th	29	13th	46·4	32·7	39·2	- 6·8	5	0·76	19	+ 8	Bath	*	*	*	*	*	42·2	-4·5	42·6	-3·4
a Shaftesbury	722	50	8th	29	10, 12	44·0	31·4	37·4	- 7·3	6	0·75	19	+ 8	Shaftesbury	*	*	*	*	*	41·1	*	41·6	*
a Arlington	613	48	8th	29	12th	43·1	31·7	37·1	- 7·6	7	1·38	35	+ 18										
a Newquay	190	51	8th	32	12th	46·3	35·0	40·4	- 6·4	7	0·59	15	+ 4	Newquay	7·1	+ 1·3	53	*	*	44·4	*	44·6	*
a Cullompton	202	53	14th	30	13th	48·1	32·9	40·1	- 6·2	6	0·69	18	+ 6	Cullompton	6·2	+ 1·0	47	6	23	42·6	*	*	*
a Portland Bill	12	47	13th	33	11th	44·3	36·7	40·3	- 5·8	7	0·59	15	+ 6	Weymouth	6·6	—	50	*	*	*	*	*	*
p Plymouth	116	51	14th	32	8, 10, 12	47·1	34·0	40·2	- 7·1	7	0·52	13	+ 1	Plymouth	6·6	+ 0·8	50	3	28	43·1	-4·3	44·1	*
a Falmouth	167	51	13, 14	32	12th	47·4	34·0	40·4	- 6·5	6	0·73	19	—	Falmouth	7·2	+ 1·1	54	3	26	45·1	*	45·9	*
9. IRELAND, N.																							
a, West *a* Malin Head	208	45	8, 13	27	11th	40·9	32·1	36·3	- 8·0	6	0·59	15	+ 5	Malin Head	4·7	—	35	*	*	*	*	*	*
a Blacksod Point	327	46	13th	27	10, 11	41·1	32·0	36·3	- 9·5	7	1·06	27	+ 12	Markree Castle	3·7	- 1·4	27	5	25	40·3	*	42·8	*
p Markree Castle	122	48	8, 13	22	11th	43·0	30·0	36·2	- 8·4	7	1·42	36	+ 22										
b, East *p* Armagh	196	48	8th	19	11th	43·0	27·6	34·9	- 9·6	5	1·20	31	+ 20	Armagh	4·1	- 0·9	30	5	17	39·7	-5·3	42·1	-2·7
a Donaghadee	101	49	8th	25	11th	42·9	31·7	37·0	- 7·7	7	0·61	16	+ 5										
10. IRELAND, S.																							
p Dublin, City	47	52	8th	28	10, 11	44·6	31·7	37·8	- 8·7	6	0·36	9	- 1	Dublin City	*	*	*	5	24	*	*	*	*
a Birr Castle	175	50	8th	26	11th	43·7	30·3	36·7	- 8·2	5	0·63	16	+ 5	Trinity Coll.	*	*	*	5	21	41·2	-4·5	43·6	-2·1
a Kilkenny	212	52	8th	26	11th	45·1	31·9	38·2	- 7·2	7	0·44	11	0	Phœnix Park	5·1	- 0·5	38	5	18	*	*	*	*
a Waterford	20	56	8th	30	10–12	47·1	33·3	39·9	- 6·4	6	0·54	14	+ 1	Birr Castle	4·9	- 0·3	37	5	19	*	*	*	*
a Seskin, Carrick-on-Suir	541	51	8th	26	10th	44·9	29·6	36·9	—	6	0·64	16	—	Seskin	5·2	—	39	5	23	*	*	*	*
a Cahir	198	52	8th	29	10, 11	45·9	31·9	38·6	- 6·9	5	0·69	18	—										
a Foynes	50	51	8th	29	12th	44·7	34·0	39·1	- 7·3	6	0·86	22	+ 9										
a Cahirciveen (Val. Obs.)	30	49	8th	32	11th	45·9	35·6	40·5	- 6·4	7	0·75	19	0	Cahirciveen	6·0	+ 0·6	45	2	30	*	*	*	*
a Killarney	174	53	8th	29	12th	48·4	34·1	40·9	- 5·5	7	1·25	32	+ 15	Ballinacurra	6·1	+ 0·4	46	*	*	*	*	*	*
a Roche's Point	32	51	8, 12	32	10th	46·1	34·6	40·1	- 6·4	7	0·30	8	- 6										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's	131	52	8th	35	12th	48·0	38·1	42·8	- 5·0	6	0·55	14	+ 4	Scilly	6·9	+ 1·0	52	*	*	*	*	*	*
a Jersey, St. Aubins	26	51	14th	31	8th	47·6	35·3	41·2	- 7·0	5	0·98	25	+ 15	St. Heliers	6·8	+ 0·4	51	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	50	8, 14	32	11th	47·1	36·0	41·3	- 7·0	6	1·05	27	+ 16	Guernsey†	6·8	+ 0·5	51	2	25	43·5	-4·6	44·8	-2·7

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 14th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	22	116	30	0	—	8	9	15	21	9	15	35
Aberdeen	153	105	52	—	—	9, 10	14	49	98	7	0	NW. by W.	15	9	15	22	9	14	15
Edinburgh	485	39	31	—	—	8	1	83	70	3	11	SSW.	12	8	11	20	8	11	10
6 SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	8, 9, 11, 12	19	98	34	17	0	NNE.	16	11	12	22	11	12	5
Paisley	188	81	52	—	—	—	—	57	97	14	0	NNW.	10	9	13	19	9	11	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	51	99	18	0	NNW.	9	12	10	16	9	15	40
South Shields	72	61	12	—	—	11	3	60	89	16	0	ESE.	15	11	7	20	11	7	25
Spurn Head	66	40	‡	—	—	10, 11	4	100	37	1	26	SSW.	16	11	5	23	11	4	40
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	11	1	9 to 12, 14	22	112	28	5	0	SSW.	18	11	7	24	9	14	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	11, 14	6	76	61	25	0	S. by E.	13	11	4	20	14	11	35
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	8 to 14	31	82	53	2	0	—	17	11	10	25	11	9	15
Warlingham	642	33	‡	—	—	11	1	63	93	11	0	—	11	11	4	23	11	16	5
Brighton	261	53	6	—	—	14	2	69	81	14	2	—	11	14	14	21	9	1	50
Richmond (Kew Obs.)	82	65	22	—	—	14	5	79	74	10	0	SSW.	12	14	12	20	14	12	40
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	53	82	33	0	WSW.	10	10	15	19	8	16	5
Southport	80	62	48	—	—	8 to 14	69	76	23	0	0	NW.	15	14	17	22	9	3	15
Holyhead	60	40	‡	9, 10	3	8 to 11, 13, 14	76	77	12	0	0	WNW.	20	10	2	27	10	1	50
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	10, 11	4	8 to 11, 14	31	74	43	16	0	SW.	20	10	24	28	11	1	5
Plymouth	185	88	2	11	2	10, 11	7	81	59	19	0	—	18	11	2	29	11	2	30
Lyme Regis	556	61	‡	—	—	9 to 11	15	85	54	14	0	—	15	11	3	24	11	3	35
10. IRELAND, S.																			
Quilty	100	40	‡	—	—	8 to 11, 14	69	83	16	0	0	—	17	9	9	28	10	18	25
Cahirciveen (Val. Obs.)	98	41	‡	11	1	9 to 11	21	107	30	9	0	N.	18	11	8	26	11	7	55
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	11	5	8 to 11	52	64	26	13	8	NW.	22	11	14	31	11	14	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTEENTH WEEK of 1917—April 8th to April 14th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	46	15	77·8	71·8	74·7	− 3·7	0	− 21	49	+ 27	7	+ 2	1·08	28	+ 6	4·2	−0·1	30	994
Eastern.																			
1. SCOTLAND, EAST ...	49	10	77·9	71·1	74·3	− 4·4	0	− 28	53	+ 30	5	+ 1	0·74	19	+ 6	4·2	−0·4	31	996
2. ENGLAND, N.E.	51	24	79·7	72·8	76·1	− 3·3	6	− 23	36	+ 21	7	+ 3	0·70	18	+ 8	4·6	+0·4	34	998
3. ENGLAND, EAST ...	51	25	80·5	72·3	76·2	− 3·9	10	− 27	39	+ 25	6	+ 3	0·65	16	+ 6	4·6	−0·6	34	1001
4. MIDLAND COUNTIES ...	52	25	80·3	72·3	76·1	− 4·0	9	− 30	40	+ 24	6	+ 3	0·84	21	+ 11	5·4	+0·7	40	1001
5. ENGLAND, S.E.	52	27	80·8	73·2	76·8	− 3·9	11	− 29	35	+ 25	6	+ 3	0·77	20	+ 11	5·5	+0·2	41	1003
Western.																			
6. SCOTLAND, WEST ...	49	23	78·6	72·1	75·2	− 4·4	0	− 31	39	+ 24	6	+ 2	0·80	20	+ 4	3·8	−1·1	28	998
7. ENGLAND, N.W.	50	16	78·9	72·9	75·8	− 4·1	2	− 30	34	+ 22	6	+ 3	0·99	25	+ 13	4·3	−0·7	32	1000
8. ENGLAND, S.W.	53	26	80·2	73·6	76·7	− 4·0	8	− 30	31	+ 23	6	+ 3	0·79	20	+ 7	6·0	+0·5	45	1004
9. IRELAND, NORTH ...	50	19	78·8	72·2	75·3	− 4·8	1	− 33	38	+ 27	6	+ 2	0·92	24	+ 11	3·9	−1·1	29	1000
10. IRELAND, SOUTH ...	56	26	80·6	73·6	76·9	− 3·9	10	− 30	32	+ 24	6	+ 2	0·65	17	+ 3	5·5	0·0	41	1005
11. ENGLISH CHANNEL ...	52	31	81·7	75·5	78·4	− 3·5	16	− 28	21	+ 20	6	+ 3	0·86	22	+ 12	6·8	+0·5	51	1008

THE SEASON (Spring).—Aggregates, &c., for the Period of 6 Weeks, March 4th to April 14th, 1917.

0. SCOTLAND, NORTH ...	55	11	78·3	72·2	75·2	− 2·3	15	− 76	271	+108	34	+ 5	5·05	128	− 14	3·0	−0·6	24	1005
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	78·2	71·1	74·5	− 3·2	21	− 95	329	+148	28	+ 3	3·42	88	+ 8	3·9	−0·1	32	1006
2. ENGLAND, N.E.	57	7	79·1	72·0	75·5	− 2·9	38	− 96	278	+142	29	+ 6	3·20	82	+ 24	3·7	−0·7	30	1006
3. ENGLAND, EAST ...	59	16	79·5	72·2	75·7	− 3·1	42	−126	262	+124	29	+ 9	3·40	86	+ 30	3·4	−1·1	27	1007
4. MIDLAND COUNTIES ...	58	9	79·8	71·9	75·7	− 3·1	50	−126	274	+126	26	+ 6	3·43	87	+ 26	3·6	−0·4	30	1007
5. ENGLAND, S.E.	57	18	80·1	73·0	76·4	− 3·0	50	−128	220	+117	29	+ 9	3·99	102	+ 40	3·7	−0·8	30	1007
Western.																			
6. SCOTLAND WEST ...	55	11	79·2	72·5	75·7	− 2·8	35	− 92	257	+131	26	+ 1	3·49	89	− 26	3·9	−0·2	32	1006
7. ENGLAND, N.W.	54	5	79·2	72·8	75·9	− 2·9	33	−104	244	+131	26	+ 4	3·93	100	+ 19	4·0	−0·2	33	1006
8. ENGLAND, S.W.	59	18	80·3	73·6	76·8	− 2·7	61	−111	185	+ 98	30	+ 8	4·90	124	+ 31	4·9	+0·4	40	1007
9. IRELAND, NORTH ...	59	19	80·0	73·4	76·6	− 2·5	56	− 93	195	+ 89	32	+ 4	3·70	94	0	3·7	−0·3	30	1007
10. IRELAND, SOUTH ...	61	20	81·3	74·2	77·6	− 2·3	100	− 89	161	+ 80	31	+ 7	3·95	102	+ 3	4·0	−0·5	32	1009
11. ENGLISH CHANNEL ...	54	29	81·4	75·8	78·5	− 2·4	91	−118	113	+ 86	31	+ 7	4·71	120	+ 43	4·9	−0·4	40	1009

THE YEAR 1917.—Aggregates, &c., for the Period of 15 Weeks, December 31st, 1916, to April 14th, 1917.

0. SCOTLAND, NORTH ...	55	10	78·1	73·0	75·5	− 1·3	46	−104	625	+ 142	71	− 4	10·85	275	−142	2·1	−0·2	22	1012
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	77·6	71·6	74·6	− 2·0	42	−137	803	+ 248	59	− 2	6·93	179	− 28	2·6	−0·2	27	1012
2. ENGLAND, N.E.	58	5	77·8	72·4	75·1	− 2·2	72	−144	739	+ 298	62	+ 5	7·07	180	+ 33	2·2	−0·9	22	1012
3. ENGLAND, EAST ...	59	5	77·9	72·3	75·1	− 2·4	75	−184	738	+ 273	62	+ 7	6·20	158	+ 13	2·1	−1·0	20	1012
4. MIDLAND COUNTIES ...	58	4	78·0	71·9	74·9	− 2·6	86	−191	795	+ 311	54	− 1	6·40	164	− 3	2·0	−0·8	20	1013
5. ENGLAND, S.E.	57	4	78·4	72·9	75·6	− 2·6	92	−203	667	+ 304	53	− 1	6·51	166	− 10	2·5	−0·6	25	1013
Western.																			
6. SCOTLAND, WEST ...	55	11	78·3	73·0	75·6	− 2·1	67	−146	632	+ 247	55	−12	7·85	200	−140	2·5	−0·2	24	1013
7. ENGLAND, N.W.	58	5	78·1	72·8	75·4	− 2·5	73	−156	682	+ 319	53	− 6	7·69	196	− 33	2·5	−0·3	25	1013
8. ENGLAND, S.W.	59	4	78·7	73·3	76·0	− 2·6	121	−195	603	+ 315	54	− 6	8·15	206	− 64	3·2	+0·1	31	1013
9. IRELAND, NORTH ...	59	7	79·1	73·7	76·4	− 1·9	126	−147	524	+ 203	66	− 6	8·02	204	− 62	2·5	−0·2	25	1012
10. IRELAND, SOUTH ...	61	9	79·9	74·0	76·9	− 2·2	197	−174	492	+ 243	63	− 2	8·42	216	− 75	2·8	−0·3	27	1014
11. ENGLISH CHANNEL ...	54	22	80·0	75·6	77·8	− 2·4	196	−230	346	+ 241	60	− 6	8·66	220	− 7	3·3	−0·4	32	1013
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: April 19th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 16.

THE SIXTEENTH WEEK OF 1917.
SUNDAY, APRIL 15TH, TO SATURDAY, APRIL 21ST.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

Inclement conditions continued until the middle of the week, depressions bringing further falls of hail, sleet or snow and keeping the temperature very low. An anticyclone which developed about the middle of the week spread over the Atlantic and Western and North-Western Europe, and brought much lighter winds, rainless weather, and an appreciable increase of temperature.

In the earlier period maximum temperatures below 283 a. were the rule, at some northern stations they were as low as 275 a., but in the later there were a number of maxima above 288 a.; 291 a. was reported at Killarney on the 21st. No severe frosts were registered, the lowest shade minima being 269 a. and 270 a. at some places in Scotland. For the whole week the mean temperature was everywhere below the normal, by from 1 a. to 2 a. The temperature of the coastal sea water was on the increase, but it was still well below the normal everywhere.

On the 17th Arlington measured 17 mm. of rain, the largest fall on any one day. There were no heavy snowfalls, 12 cm. at Marchmont on the 16th being the deepest layer. The total precipitation for the week was as low as 23 per cent. of the normal in Ireland South, but reached 200 per cent. in England East. Sleet, snow or heavy hail accompanied a sharp thunderstorm in the East and South-East of England on the 16th.

Though on some days there were large records of sunshine, more than 12 hours in places, the aggregates for the week were less than the normal in nearly all districts, by 2¼ hours per day in Ireland North, but England South-West and the English Channel had an excess of 1¼ hour.

An aurora was visible at Edinburgh on the 15th, and at Aberdeen on the 16th. Solar halos were observed on several days, and at Oxford on the 16th a halo and parhelion.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	2	3·7	4	2·0	2	1·9	1	2·9	2	3·0	0	—	1	3·0	1	2·9
North	5	5·1	2	3·4	5	3·4	6	3·3	4	4·5	7	5·7	5	3·3	5	4·4
West	5	6·5	5	5·3	5	2·1	6	2·2	7	5·4	4	6·8	7	7·4	5	4·8
East	1	3·7	2	1·6	1	1·7	¼	1·3	0	—	2	2·3	¼	0·3	1	1·5
Calm	0	—	1	—	0	—	¼	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Abundant	Scanty	Moderate	Moderate

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 7 weeks from Mar. 4th, 1917	Warmth ...	0, 2, 5	0, 1, 6	0, 0, 7	0, 1, 6	0, 2, 5	0, 1, 6	0, 2, 5	0, 2, 5	0, 2, 5	0, 3, 4	0, 3, 4	0, 1, 6
	Rainfall ...	2, 3, 2	2, 5, 0	4, 2, 1	5, 2, 0	2, 5, 0	3, 4, 0	1, 5, 1	2, 4, 1	3, 3, 1	2, 4, 1	1, 3, 3	4, 3, 0
	Sunshine ...	1, 4, 2	1, 4, 2	0, 5, 2	0, 4, 3	0, 6, 1	1, 3, 3	1, 3, 3	2, 4, 1	2, 4, 1	0, 5, 2	1, 5, 1	0, 5, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(11098—19.) Wt. 153—442. 450. 4/17. D & S. G. 17/ 36.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.		Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.		Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
a, Islands	a Lerwick	[illegible]	48	19th	29	17th	42·7	34·3	38·3	− 3·2	7	0·64	16	+ 4
	p Deerness	160	49	21st	29	17th	44·1	34·8	39·1	—	4	0·47	12	+ 1
	a Stornoway	.1	52	21st	31	16–18	46·6	36·1	41·1	− 2·4	7	0·79	20	+ 4
	a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—
b, Mainland.	a Wick	81	51	19th	26	18th	45·4	33·0	38·9	− 4·2	5	0·39	10	− 1
	p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—
	p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—
	p Fort Augustus	6	54	21st	29	16, 17	48·1	35·4	41·5	− 2·5	5	0·27	7	− 7
	p Fort William	171	56	21st	30	16, 17	49·6	36·1	42·5	− 2·6	5	0·44	11	− 12
1. SCOTLAND, E.														
	a Nairn	82	53	18, 19	28	16th	47·9	34·0	40·6	− 3·4	4	0·25	6	− 2
	p Gordon Castle	101	53	19th	29	16, 17	47·1	34·9	40·7	− 3·6	6	0·17	4	− 5
	a Aberdeen	46	54	19th	29	17th	48·0	34·9	41·1	− 2·7	5	0·25	6	− 4
	a Balmoral	930	53	21st	25	16th	44·0	32·0	37·7	− 3·2	5	0·37	9	− 2
	p Crieff	432	55	19th	25	16th	48·9	32·4	40·3	− 4·5	3	0·65	17	+ 6
	a Dundee	244	57	19th	26	17th	49·7	33·3	41·1	—	4	0·52	13	+ 4
	a Leith	18	54	19th	31	17th	48·1	34·9	41·2	− 4·3	3	0·35	9	+ 2
	a Edinburgh	441	53	20th	29	17th	46·4	34·6	40·2	—	4	0·34	9	+ 2
	a West Linton	769	53	21st	25	16, 17	46·3	30·7	38·1	− 3·3	4	0·67	17	—
	p Marchmont	498	54	19th	26	17th	46·9	32·1	39·1	− 4·3	4	0·68	17	+ 6
6. a SCOTLAND, W														
	a Poltalloch	132	57	21st	—	—	47·7	—	—	—	6	1·21	31	+ 16
	p Glasgow Observatory	180	58	21st	32	15–17	49·0	37·0	42·7	− 2·5	3	0·35	9	− 3
	p Rothesay	170	57	21st	31	16, 17	48·7	36·1	42·1	− 3·5	5	0·76	19	+ 3
	a Kilmarnock	90	61	21st	27	17th	51·9	36·1	43·6	− 0·9	5	0·51	13	+ 1
	a Colmonell	170	58	21st	32	17th	49·0	38·3	43·4	− 1·4	4	0·50	13	0
	p Cally, Gatehouse	120	61	21st	2	15, 17	52·0	36·1	43·7	− 1·0	4	0·82	21	+ 5
	a Dumfries	160	57	21st	29	15th	50·3	36·1	42·9	− 2·6	2	0·39	10	− 2
	a Eskdalemuir	794	54	21st	25	16, 17	47·6	30·4	38·6	—	3	0·67	17	—
b, I. OF MAN	p Douglas	277	56	21st	32	17th	48·9	38·9	43·7	− 1·7	4	0·86	22	+ 9
2. ENGLAND, N.E.														
a North	a Alnwick Castle	210	56	19th	31	15–17	49·0	33·7	41·0	− 2·9	5	0·50	13	+ 3
	a Tynemouth	71	55	19th	31	15th	47·6	34·1	40·5	− 3·6	3	0·31	8	0
	p Durham	336	57	20th	29	15, 17	49·9	34·1	41·6	− 2·5	5	0·41	10	+ 2
	p Rounton	249	57	20th	28	15th	48·4	34·0	40·9	− 3·0	6	0·63	16	+ 7
	a West Witton	605	53	21st	29	15, 16	48·6	33·7	40·8	—	5	0·48	12	—
	p Scarborough	100	54	19, 20	32	15, 16	48·1	35·1	41·3	− 3·7	3	0·40	10	+ 2
	p York	56	57	20th	30	15th	49·9	37·1	43·2	− 2·9	4	0·35	9	0
b, South	a Spurn Head	26	51	19th	33	15, 18	45·9	35·4	40·4	− 4·7	3	0·35	9	+ 3
	a Lincoln	58	55	20th	33	15, 16	50·4	37·7	43·8	− 2·7	3	0·32	8	+ 1
	a Fulbeck	180	55	20th	27	15th	50·0	34·4	41·8	− 4·5	4	0·34	9	+ 1
3. ENGLAND, E.														
	p Cromer	196	54	19th	31	18th	46·0	34·6	40·0	− 5·2	5	0·44	11	+ 6
	p Little Massingham	280	53	19th	29	16th	47·1	32·9	39·7	− 5·9	6	0·89	23	+ 16
	a Yarmouth	13	54	19, 20	31	18th	48·0	35·0	41·2	− 3·7	4	0·51	13	+ 6
	a Norwich	93	54	19th	30	18th	47·9	35·0	41·1	− 4·8	4	0·69	18	+ 11
	a Geldeston	37	55	19th	29	16, 18	49·6	33·7	41·3	− 4·2	6	0·46	12	+ 6
	p Cambridge	41	57	19th	29	16th	50·3	35·7	42·7	− 3·7	3	0·53	13	+ 7
	a Clacton-on-Sea	54	56	19th	32	16th	49·1	36·1	42·3	− 3·2	4	0·52	13	+ 7
	a Rothamsted	424	56	19th	27	16th	49·3	35·7	42·2	− 3·3	5	0·73	19	+ 12
	p Tottenham	51	59	19th	33	16th	51·0	38·1	44·2	− 2·6	3	0·30	8	—
4. MIDLAND COUNTIES.														
a North	a Harrogate	479	56	20th	27	15th	48·4	33·3	40·5	− 3·6	4	0·37	10	+ 2
	p Sheffield	429	54	20th	32	15th	48·4	37·0	42·4	—	4	0·23	6	—
	p Buxton	987	49	20th	29	15th	45·1	36·0	40·3	—	6	0·90	23	+ 10
b, East	a Bawtry	65	55	20th	30	15th	50·1	35·3	42·3	− 3·8	3	0·19	5	− 2
	a Nottingham	82	55	20th	29	15th	50·1	35·9	42·7	− 3·3	3	0·39	10	+ 3
	p Birmingham, Edgbsn.	535	54	19th	32	15, 17	49·9	37·4	43·4	− 2·4	4	0·25	6	− 2
	a Raunds	203	56	19, 20	28	15, 16	50·6	34·4	42·1	− 4·2	4	0·41	10	+ 3
	p Oxford	208	59	19th	30	15th	51·7	37·0	44·0	− 3·0	3	0·27	7	0
c, West	a Cheadle (N. Staffs.)	646	52	20th	30	15–17	48·4	34·9	41·3	− 3·4	4	0·46	12	+ 3
	p Shrewsbury	191	57	19, 21	29	15th	51·9	37·9	44·6	− 1·7	3	0·29	7	0
	a Hereford§	291	61	21st	27	15th	54·9	36·6	45·3	− 1·4	2	0·13	3	− 5
	a Clifton	229	61	21st	31	15th	54·3	38·4	46·0	− 1·8	3	0·31	8	− 4
5. ENGLAND, S.E.														
	a Marlborough	424	60	19th	27	16th	53·6	34·6	43·6	− 1·6	3	0·44	11	+ 1
	p Salisbury (Wilton)	180	60	19, 20	28	16th	53·9	34·9	43·9	− 2·6	2	0·41	10	− 1
	a Wisley, Surrey	150	61	19th	32	16th	52·3	37·4	44·5	− 2·1	3	0·35	9	+ 2
	a Tunbridge Wells	354	60	19th	30	16th	51·9	36·3	43·7	− 2·8	4	0·41	10	+ 1
	a Margate	53	54	19th	33	15th	46·3	37·4	41·6	− 5·2	4	0·32	8	+ 1
	a Dungeness	21	55	19th	29	16th	49·9	37·4	43·4	− 2·6	3	0·43	11	+ 4
	p St. Leonards	178	55	21st	33	16th	50·0	37·9	43·7	− 3·1	3	0·35	9	+ 1
	p Southampton	64	63	19th	30	16th	55·0	38·4	46·3	− 2·0	3	0·21	5	− 4
	a Ventnor	59	62	19th	35	15th	55·0	39·6	46·9	− 1·0	4	0·20	5	− 3
LONDON.	p Richmond (Kew Obs.)	18	60	19th	32	16th	51·3	38·1	44·4	− 2·7	4	0·34	9	+ 2
	a Westminster	27	62	19th	31	16th	52·9	38·7	45·5	− 2·5	3	0·27	7	0
	a Greenwich	155	62	19th	32	16th	52·6	38·0	45·0	− 2·3	4	0·30	8	0
	a Hampstead	450	58	19th	29	16th	50·0	35·0	42·1	—	5	0·36	9	—
	a Camden Square	110	62	19th	31	16th	53·4	37·7	45·2	− 3·2	4	0·32	8	0
7. a, ENGLAND, N.W.														
	p Aspatria (Mealsgate)	487	53	21st	28	15, 17	47·6	34·9	41·0	− 3·8	4	0·61	16	+ 5
	p Newton Rigg	559	53	20, 21	28	15th	48·6	35·4	41·7	− 2·2	4	0·62	16	+ 6
	p Stonyhurst	377	54	21st	27	15th	48·4	35·4	41·6	− 3·3	3	0·42	11	− 2
	p Blackpool	66	52	21st	34	17th	48·0	39·0	43·3	− 2·2	5	0·79	20	+ 11
	a Southport	37	51	20th	33	17th	47·6	38·4	42·8	− 3·0	4	0·65	17	+ 8
	a Liverpool (Bidston)	188	51	21st	34	17th	47·3	38·3	42·6	− 3·8	3	0·51	13	+ 5
	a Hawarden Bridge	22	54	19th	34	17th	50·1	39·1	44·3	− 2·8	4	0·31	8	0
	p Manchester (Whit. Pk.)	125	54	21st	30	15th	49·0	37·1	42·8	− 4·1	4	0·44	11	+ 2
b, NORTH WALES.														
	p Llandudno	71	52	21st	35	15th	48·3	40·6	44·2	− 2·7	5	0·43	11	+ 2
	a Holyhead	15	54	19, 20	36	15, 16	49·9	40·0	44·7	− 1·6	4	0·52	13	+ 3
	p Bettws-y-Coed	148	57	19, 21	32	15th	52·0	38·7	45·0	− 0·9	5	0·99	25	—
	p Aberdovey	22	58	21st	34	17th	50·6	39·6	44·8	—	4	0·92	23	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
Deerness	5·0	− 0·2	35	•	•	•	•	•	•
Stornoway	4·1	− 1·4	29	•	•	•	•	•	•
Castlebay	•	•	•	•	•	•	•	•	•
Fort Augustus	2·4	− 1·7	17	•	•	•	•	•	•
Nairn	3·1	—	22	•	•	•	•	•	•
Gordon Castle	3·8	—	27	•	•	•	•	•	•
Aberdeen	4·0	− 1·4	28	3	22	•	•	39·6	−2·8
Balmoral	•	•	•	4	23	•	•	•	•
Crathes	3·4	− 1·7	24	4	17	39·5	−3·7	38·8	−3·2
Dundee	4·4	—	31	4	21	39·3	•	•	•
Leith	•	•	•	3	24	•	•	•	•
Edinburgh	3·9	− 0·8	28	3	26	•	•	•	•
West Linton	4·0	—	28	4	19	•	•	•	•
Marchmont	4·3	− 0·6	31	3	25	•	•	•	•
Glasgow	3·6	− 0·7	26	3	24	•	•	•	•
Rothesay	4·5	—	32	3	25	41·9	•	41·6	−2·5
Kilmarnock	4·2	—	30	•	•	40·2	•	40·7	•
Colmonell	•	•	•	2	26	•	•	•	•
Dumfries	5·0	—	36	3	20	40·1	•	40·3	•
Eskdalemuir	5·2	—	37	4	21	•	•	•	•
Douglas	4·7	− 1·5	34	3	27	•	•	•	•
Cockle Park	4·7	− 0·1	33	3	25	38·3	−4·8	38·6	−4·1
Durham	4·4	− 0·2	31	4	23	•	•	•	•
Rounton	•	•	•	4	23	39·4	•	•	•
West Witton	•	•	•	4	24	39·2	•	37·5	•
Scarborough†	5·0	− 0·2	36	•	•	•	•	41·5	•
York	4·3	− 0·3	31	•	•	40·8	−4·4	40·7	−3·2
Spurn Head	3·2	—	23	•	•	•	•	•	•
Lincoln	•	•	•	•	•	41·0	−4·1	41·2	−2·7
Rauceby	5·1	− 0·3	37	4	24	42·5	−5·9	41·5	−3·5
Skegness	5·3	− 0·4	38	•	•	•	•	•	•
Cromer	5·0	− 0·7	36	•	•	•	•	•	•
Lit. Massingham	4·8	− 0·6	35	3	25	•	•	•	•
Yarmouth	4·9	—	35	2	28	42·1	−6·8	42·9	−4·2
Norwich	5·0	—	36	3	22	40·4	•	•	•
Geldeston	4·1	− 1·6	29	•	•	•	•	•	•
Cambridge	4·3	− 1·3	31	5	22	42·6	−5·1	42·2	−4·1
Clacton	3·7	− 2·5	27	2	25	42·3	−5·0	43·0	−4·0
Rothamsted	4·6	− 0·7	33	5	23	39·9	•	•	•
Tottenham	4·7	—	34	0	31	•	•	42·0	−4·0
Harrogate	5·3	+ 0·1	38	4	26	39·8	−3·8	40·0	−3·3
Sheffield	5·2	+ 0·5	37	3	27	40·3	−3·9	39·8	−2·9
Buxton	3·7	—	26	3	25	38·3	−6·1	38·2	−4·1
Worksop	4·5	− 0·1	32	4	20	42·4	•	41·5	•
Nottingham	4·3	− 0·7	31	2	24	40·5	−4·9	38·6	−4·7
Birmingham	4·6	+ 0·6	33	3	25	40·0	−4·0	41·1	−3·0
Raunds	•	•	•	5	19	41·4	•	41·6	•
Oxford	5·2	0·0	37	3	22	•	•	•	•
Cheadle	•	•	•	3	23	•	•	•	•
Shrewsbury	•	•	•	3	26	•	•	•	•
Malvern§	6·0	—	43	3	21	42·4	•	41·4	•
Clifton	7·0	—	50	2	27	•	•	•	•
Worthing	5·3	− 0·9	38	2	27	44·5	−3·7	43·7	−2·7
Marlborough	5·8	+ 0·9	42	2	24	44·0	•	43·3	•
Salisbury	•	•	•	2	24	44·2	•	•	•
Wisley	5·0	− 0·4	36	5	20	42·4	−4·5	41·7	−4·2
Tunbridge Wells	3·2	− 2·5	23	2	22	42·5	−4·7	42·1	•
Margate	2·7	− 2·0	19	1	28	42·2	−4·6	42·2	−3·2
Dover	3·6	—	26	2	24	•	•	•	•
St. Leonards	4·2	− 2·0	30	1	29	43·7	•	42·8	•
Southampton	6·0	+ 0·1	43	6	12	•	•	•	•
Ventnor	6·1	0·0	44	•	•	•	•	•	•
Richmond	4·9	− 0·4	35	3	21	42·3	−4·8	42·4	−3·3
Westminster	4·2	− 0·2	30	1	30	•	•	•	•
Greenwich	4·2	− 0·8	30	2	26	•	•	•	•
Hampstead	5·4	—	39	5	20	•	•	•	•
Camden Square	4·7	0·0	34	2	28	•	•	•	•
Aspatria	3·8	− 1·6	27	3	23	40·0	•	39·9	•
Newton Rigg	4·8	− 0·6	34	4	20	39·9	−4·6	39·3	−3·5
Stonyhurst	4·6	− 0·6	33	3	23	•	•	•	•
Blackpool	5·3	− 0·8	38	2	26	43·0	•	42·2	•
Southport	6·0	0·0	43	1	27	43·9	−3·3	42·0	−3·6
Hoylake	5·6	− 0·1	40	•	•	•	•	•	•
Liverpool	5·6	—	40	3	27	•	•	•	•
Manchester (City)	3·9	− 0·6	28	1	29	40·2	−4·2	41·0	−3·4
Whitworth Park	3·2	− 1·0	23	•	•	•	•	•	•
Llandudno	5·1	− 1·0	36	•		•	•	•	•
Holyhead	5·5	—	39	1	28	•	•	•	•
Bettws-y-Coed	4·8	—	35	•	•	41·6	−3·3	41·6	−3·1
Aberdovey	5·5	− 0·3	40	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	49	21st	35	17th	45·7	38·4	41·9	—	5	0·70	18	—	5·7	+ 0·2	41	*	*	*	*	*	*
a Rhayader	757	58	21st	28	15th	50·3	36·0	42·8	—	3	0·34	9	—	Rhayader ..			—		45	3	25	*	*	*	*
a St. Ann's Head	149	58	21st	36	17th	49·9	39·6	44·5	- 1·6	3	0·51	13	+ 3	St. Ann's Head	7·3	+ 1·3	53	*	*	*	*	*	*
p Cardiff	202	59	20th	32	15th	53·6	38·3	45·6	- 0·9	3	0·29	7	- 5	Cardiff	6·6	—	47	4	21	43·9	-2·7	43·0	-2·1
b, ENGLAND, S.W.																						
a Bath	66	60	20, 21	28	15th	54·9	36·4	45·2	- 1·8	2	0·40	10	0	Bath	*	*	*	*	*	44·0	-4·1	43·1	-3·8
a Shaftesbury	722	57	20, 21	29	15th	51·0	34·9	42·6	- 3·0	2	0·24	6	- 4	Shaftesbury ..	*	*	*	*	*	43·0	*	42·4	*
a Arlington	613	58	21st	30	15th	49·7	35·7	42·4	- 3·1	3	0·78	20	+ 5										
a Newquay	190	51	19th	36	15th	48·4	40·9	44·5	- 3·0	1	0·06	1	- 8	Newquay ..	6·9	+ 1·0	50	*	*	46·3	*	45·0	*
a Cullompton	202	61	21st	29	15th	54·0	36·6	44·9	- 2·2	4	0·19	5	- 6	Cullompton ..	6·3	+ 1·0	45	5	21	45·2	*	*	*
a Portland Bill	19	60	21st	34	15th	50·6	40·1	45·1	- 1·8	2	0·16	4	- 4	Weymouth ..	7·0	—	51	*	*	*	*	*	*
p Plymouth	116	61	21st	31	15th	52·7	39·7	45·9	- 2·2	3	0·11	3	- 8	Plymouth ..	7·3	+ 1·4	53	2	27	45·3	-3·6	44·7	*
a Falmouth	167	58	21st	35	15th	51·9	39·4	45·4	- 2·2	4	0·06	2	- 10	Falmouth ..	7·6	+ 1·4	55	1	29	47·7	*	46·4	*
9. IRELAND. N.																						
a, West .. { *a* Malin Head	208	49	20, 21	35	15–17	46·1	38·4	42·1	- 3·5	4	0·67	17	+ 6	Malin Head ..	3·9	—	28	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	53	21st	32	15th	48·6	39·4	43·8	- 3·3	6	0·57	15	- 1	Markree Castle	2·4	- 2·5	17	2	21	43·7	*	42·5	*
{ *p* Markree Castle ..	122	57	20th	27	17th	50·9	38·7	44·5	- 1·4	4	0·74	19	+ 4										
b, East .. { *p* Armagh	196	60	18th	30	17th	53·7	38·3	45·6	- 0·4	4	0·48	12	0										
{ *a* Donaghadee	101	54	20th	35	15, 16	49·0	39·4	44·0	- 2·0	5	0·32	8	- 4	Armagh	2·7	- 2·1	19	2	24	42·3	-3·8	42·1	-3·4
10. IRELAND, S.																						
p Dublin, City	47	57	20 21	32	15, 17	52·6	40·1	46·1	- 1·8	3	0·32	8	- 2	Dublin City ..	*	*	*	2	28	*	*	*	*
a Birr Castle	175	58	20th	28	17th	52·6	36·1	44·0	- 2·3	3	0·17	4	- 7	Trinity Coll. ..	*	*	*	2	26	44·4	-2·8	43·9	-2·5
a Kilkenny	212	59	19, 20	29	17th	54·0	38·1	45·7	- 1·1	4	0·10	3	- 8	Phœnix Park ..	3·9	- 1·4	28	3	20	*	*	*	*
a Waterford	20	62	20th	32	15, 17	55·7	38·6	46·7	- 1·0	1	0·05	1	- 12	Birr Castle ..	3·2	- 1·9	23	2	20	*	*	*	*
a Seskin, Carrick-on-Suir	541	61	20, 21	28	17th	54·3	37·9	45·7	—	3	0·09	2	—	Seskin	6·1	—	44	2	23	*	*	*	*
a Cahir	199	60	21st	30	17th	53·9	38·3	45·7	- 1·2	3	0·08	2	—										
a Foynes	50	55	20th	32	15, 17	50·1	39·6	44·6	- 3·2	4	0·27	7	- 6										
a Cahirciveen (Val. Obs.)	30	59	21st	33	17th	51·7	38·9	45·0	- 3·2	1	0·04	1	- 17	Cahirciveen ..	6·9	+ 1·4	50	1	30	*	*	*	*
a Killarney	174	64	21st	32	17th	56·1	40·3	47·8	0·0	4	0·20	5	- 12	Ballinacurra ..	6·3	+ 0·6	45	*	*	*	*	*	*
a Roche's Point	32	63	21st	35	15th	54·3	39·3	46·4	- 1·4	2	0·04	1	- 13										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	55	21st	39	15th	51·7	42·4	46·8	- 1·6	3	0·05	1	- 8	Scilly	8·0	+ 1·8	58	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	57	21st	37	16th	51·0	41·0	45·8	- 3·3	3	0·24	6	- 4	St. Heliers ..	7·4	+ 0·8	54	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	59	21st	38	15th	52·9	41·6	47·0	- 2·1	3	0·13	3	- 7	Guernsey† ..	8·0	+ 1·4	58	1	29	46·3	-2·7	45·1	-3·1

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 21st, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		day. hr.	m/s.	d. h m
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	28	101	39	0	— m/s.	— —	—	— — —
Aberdeen	153	105	52	—	—	15, 19, 20	13	57	74	24	0	NW. by W. 15	19 22	23	19 21 35
Edinburgh	485	39	31	—	—	19	3	75	56	35	0	W. 13	19 15	20	19 14 35
6 SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	16, 19, 20	20	64	56	28	0	NNE. 17	16 17	24	16 17 10
Paisley	188	81	52	—	—	19	2	44	105	17	0	NW. 11	19 14	24	19 7 55
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	48	65	55	0	N. 9	16 19	17	16 19 15
South Shields	72	61	12	—	—	16	2	38	73	55	0	NE. 15	16 19	20	16 19 15
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
3. ENGLAND, E.															
Gorleston	52	42	‡	—	—	17	13	‖	‖	‖	‖	— 17	17 3	21	17 2 20
Shoeburyness	103	90	‡	—	—	16, 17	13	51	100	4	0	N. 15	17 3	24	17 2 55
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	16, 17	4	57	79	28	0	NNW. 13	17 2	22	16 18 0
5. ENGLAND, S.E.															
Dover	271	49	‡	17	1	15 to 17	11	53	66	26	11	— 18	17 5	25	17 4 55
Warlingham	642	33	‡	—	—	—	—	18	125	25	0	— 8	16 13	20	17 2 45
Brighton	261	53	6	—	—	—	—	36	110	17	5	— * 9	17 4	19	17 3 40
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	38	117	13	0	NNW. 10	17 2	19	17 3 20
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	33	103	32	0	N. 9	16 22	16	16 22 20
Southport	80	62	48	—	—	16, 18 to 21	43	116	7	2	0	NW. 15	19 22	21	16 19 15
Holyhead	60	40	‡	—	—	15 to 19	42	105	20	1	0	N. by W. 16	16 21	24	16 13 50
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	15, 16, 21	13	98	53	4	0	WSW. 15	16 11	22	16 18 35
Plymouth	185	88	32	—	—	16	4	64	82	18	0	— 11	16 18	21	16 18 20
Lyme Regis	556	61	‡	—	—	16, 17	9	81	73	5	0	— 14	16 17	21	16 16 50
10. IRELAND, S.															
Quilty	100	40	‡	—	—	15, 16	10	83	61	14	0	— 16	16 16	21	16 14 10
Cahirciveen (Val. Obs.)	98	41	‡	—	—	16	6	72	70	20	0	NNW. 12	16 17	18	16 16 50
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	15 to 17	25	76	59	7	1	NNW. 16	16 22	22	16 22 10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees ‖ Record defective.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTEENTH WEEK of 1917—April 15th to April 21st, 1917.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	26	81·1	74·7	77·7	− 1·7	13	− 15	26	+ 9	5	+ 2	0·51	13	− 4	3·8	−1·1	27	1013
Eastern.																			
1. SCOTLAND, EAST ...	55	25	81·4	73·7	77·4	− 2·1	15	− 19	32	+ 13	4	0	0·42	11	+ 1	3·9	−1·2	27	1015
2. ENGLAND, N.E.	57	27	82·3	74·7	78·3	− 1·8	19	− 15	26	+ 14	4	+ 1	0·40	10	+ 2	4·8	−0·4	34	1016
3. ENGLAND, EAST ...	59	27	82 3	74·8	78·3	− 2·4	19	− 23	26	+ 15	4	+ 1	0·56	14	+ 7	4·5	−1·1	32	1016
4. MIDLAND COUNTIES ...	61	27	83·6	75·3	79·2	− 1·5	33	− 12	17	+ 4	3	0	0·31	8	0	5·2	+0·2	37	1017
5. ENGLAND, S.E.	63	27	84·1	75·9	79·8	− 1·5	36	− 9	13	+ 6	3	0	0·35	9	+ 1	4·7	−1·1	34	1016
Western.																			
6. SCOTLAND, WEST ...	61	27	83·0	75·7	79·2	− 1·1	30	− 7	14	+ 3	4	0	0·68	17	+ 2	4·2	−1·0	29	1016
7. ENGLAND, N.W.	57	27	82·3	76·2	79 2	− 1·5	25	− 13	12	+ 4	4	+ 1	0·56	14	+ 4	5·0	−0·5	36	1019
8. ENGLAND, S.W.	61	28	84 1	76·2	79·9	− 1·3	35	− 8	12	+ 6	3	0	0·31	8	− 3	6·8	+1·2	49	1021
9. IRELAND, NORTH ...	60	27	83·1	76·6	79·7	− 1·1	29	− 10	10	+ 3	4	0	0·49	13	0	2·6	−2 3	18	1020
10. IRELAND, SOUTH ...	64	28	84·9	76·8	80·7	− 0·9	40	− 5	9	+ 4	3	− 1	0·14	4	− 9	5·1	−0·1	37	1024
11. ENGLISH CHANNEL ...	59	37	84·1	78·4	81·1	+ 0·7	33	− 15	1	+ 1	3	0	0·14	3	− 7	7·8	+1·2	57	1022

THE SEASON (Spring).—Aggregates, &c., for the Period of 7 Weeks, March 4th to April 21st, 1917.

0. SCOTLAND, NORTH ...	56	11	78·7	72·7	75·6	− 2·2	28	− 91	297	+117	40	+ 7	5·56	141	− 18	3·1	−0·7	25	1006
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	78·7	71·4	74·9	− 3·0	36	−114	361	+161	32	+ 3	3·84	99	+ 9	3·9	−0·3	31	1007
2. ENGLAND, N.E.	57	7	79·5	72·4	75·8	− 2·9	57	−111	304	+156	33	+ 7	3·60	92	+ 26	3·9	−0·6	31	1007
3. ENGLAND, EAST ...	59	16	79·9	72·5	76·1	− 3·0	61	−149	288	+139	33	+10	3·96	100	+ 37	3·5	−1·1	28	1008
4. MIDLAND COUNTIES ...	61	9	80·3	72·4	76·2	− 2·9	83	−138	291	+130	29	+ 6	3·74	95	+ 26	3·9	−0·3	31	1008
5. ENGLAND, S.E.	63	18	80·7	73·4	76·9	− 2·8	86	−137	233	+123	32	+ 9	4·34	111	+ 41	3·8	−0·8	31	1009
Western.																			
6. SCOTLAND WEST ...	61	11	79·7	73·0	76·2	− 2·6	65	− 99	271	+134	30	+ 1	4·17	106	− 24	3·9	−0·4	31	1008
7. ENGLAND, N.W.	57	5	79·6	73·3	76·3	− 2·8	58	−117	256	+135	30	+ 5	4·49	114	+ 23	4·1	−0·2	33	1008
8. ENGLAND, S.W.	61	18	80·8	73·9	77·3	− 2·4	96	−119	197	+104	33	+ 8	5·21	132	+ 28	5·1	+0·4	41	1009
9. IRELAND, NORTH ...	60	19	80·4	73·9	77·0	− 2·3	85	−103	205	+ 92	36	+ 4	4·19	107	0	3·6	−0·5	28	1008
10. IRELAND, SOUTH ...	64	20	81·8	74·6	78·1	− 2·0	140	− 94	170	+ 84	34	+ 6	4·09	106	− 6	4·1	−0·5	33	1011
11. ENGLISH CHANNEL ...	59	29	81·8	76·2	78·8	− 2·3	124	−133	114	+ 87	34	+ 7	4·85	123	+ 36	5·3	−0·2	43	1010

THE YEAR 1917.—Aggregates, &c., for the Period of 16 Weeks December 31st, 1916, to April 21st, 1917.

0. SCOTLAND, NORTH ...	56	10	78·3	73·1	75·6	− 1·4	59	−119	651	+ 151	77	− 2	11·36	288	−146	2·2	−0·2	22	1012
Eastern.																			
1. SCOTLAND, EAST ...	59	−2	77·9	71·8	74·8	− 2·0	57	−156	835	+ 261	63	− 2	7·35	190	− 27	2·7	−0·2	27	1013
2. ENGLAND, N.E.	58	5	78·1	72·5	75·3	− 2·2	91	−159	765	+ 312	66	+ 6	7·47	190	+ 35	2·4	−0·8	23	1013
3. ENGLAND, EAST ...	59	5	78·2	72·5	75·3	− 2·4	94	−207	764	+ 288	66	+ 8	6·76	172	+ 20	2·3	−1·0	22	1013
4. MIDLAND COUNTIES ...	61	4	78·3	72·1	75·1	− 2·6	119	−203	812	+ 315	57	− 1	6·71	172	− 3	2·2	−0·7	21	1013
5. ENGLAND, S.E.	63	4	78·7	73·1	75·9	− 2·5	128	−212	680	+ 310	56	− 1	6·86	175	− 9	2·7	−0·6	25	1013
Western.																			
6. SCOTLAND, WEST ...	61	11	78·6	73·1	75·9	− 1·9	97	−153	646	+ 250	59	−12	8·53	217	−138	2·6	−0·2	25	1013
7. ENGLAND, N.W.	58	5	78·3	73·0	75·6	− 2·4	98	−169	694	+ 323	57	− 5	8·25	210	− 29	2·7	−0·3	26	1013
8. ENGLAND, S.W.	61	4	79·0	73·5	76·2	− 2·6	156	−203	615	+ 321	57	− 6	8·46	214	− 67	3·4	+0·1	32	1013
9. IRELAND, NORTH ...	60	7	79·4	73·8	76·6	− 1·9	155	−157	534	+ 206	70	− 6	8·51	217	− 62	2·5	−0·3	24	1013
10. IRELAND, SOUTH ...	64	9	80·2	74·2	77·2	− 2·1	237	−179	501	+ 247	66	− 3	8·56	220	− 84	2·9	−0·3	28	1015
11. ENGLISH CHANNEL ...	59	22	80·3	75·8	78·0	− 2·4	229	−245	347	+ 242	63	− 6	8·80	223	− 14	3·6	−0·3	34	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : April 26th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF: 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.2.

FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 17.

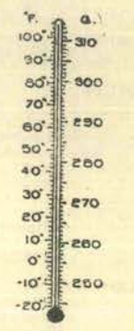
THE SEVENTEENTH WEEK OF 1917.

SUNDAY, APRIL 22ND, TO SATURDAY, APRIL 28TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The great anticyclonic system which was established over the British Isles and surrounding regions in the second half of the preceding week maintained a practically stationary position throughout the period now under notice. The passage of a slow moving depression from the Iceland region to Scandinavia after the middle of the week occasioned a strong wind and some rain at our most northern stations, otherwise light to moderate breezes and dry weather, "splendid for tillage work in farm and garden," prevailed in all districts.



Temperature distribution was most irregular, as may be seen in Table IV, where the dates of the extreme temperatures are given for individual stations, and fall on almost any day of the week. Night frosts were of a local character, and not severe, 269½ a. at Cambridge and Raunds on the 26th being the lowest shade value. For the whole period the mean results were very erratic, from an excess of 1·3 a. above the normal over Scotland East to a deficiency of 1·8 a. over England East. Along our coasts the temperature of the sea surface water was on the increase, but it was still well below the normal, excepting off the west of Ireland, where it was nearly 1 a. in excess.

Rainfall was limited to various places in Scotland and the extreme North of England, Glencarron alone reporting heavy falls. Eight districts out of the twelve were rainless.

Bright sunshine was abundant in the South-West; at Scilly 11 hours a day. In nearly all other districts there was a deficiency. On some days from 13 to 13½ hours was registered locally.

On the 27th a solar halo was observed at Deerness and Oxford, a lunar halo and corona at Oxford, and a double lunar corona at Whitworth Park, Manchester.

In view of the rise in temperature which has now taken place a table showing the frequency of weather types for the first 17 weeks of 1917 is given below in place of the usual table for the current season.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	3	3·4	4	2·0	1	3·7	1	1·1	1	2·3	1	1·1	1	1·0	1	0·5
North	3	3·2	2	1·9	6	2·9	6	2·6	5	2·3	5	2·5	6	1·9	3	2·6
West	6	6·8	5	5·8	3	2·9	2	2·6	6	3·3	1	1·1	5	4·8	2	3·3
East	1	3·6	1	1·4	3	1·8	5	1·6	1	1·0	5	2·0	2	1·1	2	1·5
Calm	0	—	¼	—	0	—	0	—	0	—	0	—	¼	—	3	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Deficient
	Rainfall ...	Heavy	Moderate	Very light	Nought	Nought	Nought	Light	Nought	Nought	Nought	Nought	Nought
	Sunshine ...	Very scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Abundant	Very scanty	Moderate	Abundant

THE YEAR.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

17 weeks from Dec. 31st, 1916	Warmth ...	2, 5, 10	2, 3, 12	1, 3, 13	1, 4, 12	1, 6, 10	1, 5, 11	1, 6, 10	1, 6, 10	1, 5, 11	2, 6, 9	2, 5, 10	1, 3, 13
	Rainfall ...	4, 4, 9	4, 8, 5	7, 2, 8	7, 5, 5	4, 6, 7	4, 5, 8	2, 7, 8	5, 4, 8	5, 3, 9	4, 6, 7	2, 6, 9	6, 4, 7
	Sunshine ...	4, 8, 5	4, 5, 8	2, 6, 9	1, 6, 10	1, 7, 9	2, 7, 8	4, 6, 7	4, 9, 4	6, 7, 4	2, 8, 7	3, 10, 4	2, 8, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(11193—19.) Wt. 153—442. 450. 5/17. D & S. G. 17/ 36.

IV.—TEMPERATURE RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts.	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick ..	54	49	22nd	35	25th	45·7	38·9	42·1	+ 0·1	6	0·73	19	+ 6										
p Deerness	160	53	23rd	34	28th	48·9	39·6	44·0	—	2	0·94	24	+ 12	Deerness	1·4	- 3·5	9	•	•	•	•	•	•
a Stornoway	51	55	24th	38	25th	51·6	42·3	46·7	+ 2·6	4	0·76	19	+ 3	Stornoway	0·8	- 4·4	5	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
b, Mainland. *a* Wick	81	56	26th	35	28th	50·9	39·1	44·7	+ 1·0	5	1·00	25	+ 13	Fort Augustus	1·5	- 2·3	10	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	54	22, 23	37	25th	49·9	40·7	45·1	+ 0·7	6	1·92	49	+ 19										
p Fort Augustus	68	59	22nd	34	24, 25	54·1	41·1	47·3	+ 2·5	3	0·20	5	- 9										
p Fort William	171	57	22, 23	35	24th	53·9	41·4	47·4	+ 1·4	4	0·51	13	- 11										
1. SCOTLAND, E.																							
a Nairn	82	61	22nd	37	25th	54·1	41·6	47·6	+ 2·5	4	0·53	13	+ 3	Nairn	1·6	—	11	•	•	•	•	•	•
p Gordon Castle	101	60	22nd	38	25th	53·6	42·0	47·5	+ 2·1	4	0·60	15	+ 3	Gordon Castle	1·8	—	12	•	•	•	•	•	•
a Aberdeen	46	60	22nd	39	23, 25	54·9	41·1	47·7	+ 2·9	4	0·46	12	- 1	Aberdeen	3·0	- 2·6	20	0	31	•	•	40·9	-2·0
a Balmoral	930	59	22nd	34	25th	53·7	38·1	45·5	+ 3·4	3	0·34	9	- 5	Balmoral	•	•	•	0	32	•	•	•	•
p Crieff	432	61	22nd	39	24th	55·3	41·9	48·3	+ 2·3	0	0·00	0	- 14	Crathes	1·8	- 3·4	12	1	29	44·6	+0·5	40·7	-2·1
a Dundee	244	63	22nd	36	24th	56·4	41·0	48·3	—	1	0·07	2	- 9	Dundee	2·9	—	20	1	30	44·4	•	•	•
a Leith	18	62	22nd	39	24th	54·4	41·9	47·9	+ 1·4	0	0·00	0	- 9	Leith	•	•	•	0	35	•	•	•	•
a Edinburgh	441	60	22nd	39	25th	53·7	42·1	47·6	—	0	0·00	0	—	Edinburgh	1·9	- 3·1	13	0	31	•	•	•	•
a West Linton	769	60	22nd	28	24th	53·4	36·6	44·6	+ 2·0	0	0·00	0	- 14	West Linton	1·3	—	9	3	22	•	•	•	•
p Marchmont	498	62	22nd	38	25th	54·4	41·1	47·4	+ 2·9	0	0·00	0	- 9	Marchmont	2·4	- 2·7	16	0	38	•	•	•	•
6. *a* SCOTLAND, W.																							
a Poltalloch	132	56	24, 25	—	—	52·1	—	—	—	4	0·19	5	- 13										
p Glasgow Observatory	180	61	22nd	41	23rd	54·4	43·4	48·6	+ 2·3	2	0·35	9	- 6	Glasgow	3·1	- 1·3	21	0	34	•	•	•	•
p Rothesay	170	58	22nd	41	22, 26	52·4	42·7	47·3	+ 0·7	4	0·22	6	- 13	Rothesay	4·3	—	29	0	36	47·0	•	43·7	-1·1
a Kilmarnock	90	64	22nd	35	23rd	56·6	39·6	47·7	+ 2·0	3	0·10	3	- 12	Kilmarnock	3·1	—	21	•	•	45·4	•	42·2	•
a Colmonell	170	57	22, 24, 25	32	23rd	54·1	38·0	45·7	- 0·2	2	0·03	1	- 15	Colmonell	•	•	•	0	31	•	•	•	•
p Cally, Gatehouse	120	62	24th	31	23, 24	57·0	38·4	47·3	+ 1·5	0	0·00	0	- 19	Dumfries	3·9	—	21	2	39	45·5	•	42·5	•
a Dumfries	160	61	22nd	35	24th	55·6	40·9	47·9	+ 1·2	0	0·00	0	- 15	Eskdalemuir	1·3	—	9	5	25	•	•	•	•
a Eskdalemuir	794	61	22nd	28	24th	53·0	35·1	43·6	—	2	0·02	0·4	—										
b, I.OF MAN *p* Douglas	277	60	22nd	40	22, 24	54·3	43·0	48·4	+ 2·0	0	0·00	0	- 15	Douglas	6·0	- 0·2	41	0	34	•	•	•	•
2. ENGLAND, N.E.																							
a North .. *a* Alnwick Castle	210	59	28th	37	24th	55·3	41·0	47·8	+ 2·6	2	0·12	3	- 10										
a Tynemouth	71	58	28th	39	24, 26	52·7	41·6	46·9	+ 1·6	0	0·00	0	- 11	Cockle Park	4·2	- 0·8	29	0	32	45·6	+2·0	41·4	-2·1
p Durham	336	61	24th	33	26th	55·1	40·1	47·2	+ 1·8	1	0·02	0·4	- 11	Durham	2·8	- 1·9	19	1	27	•	•	•	•
p Rounton	249	59	28th	31	26th	55·1	39·4	46·9	+ 1·7	0	0·00	0	- 12	Rounton	•	•	•	2	26	44·4	•	•	•
a West Witton	605	60	24th	34	26th	54·4	40·3	47·0	—	0	0·00	0	—	West Witton	•	•	•	2	26	43·8	•	38·7	•
p Scarborough	100	58	28th	35	26th	50·3	39·3	44·5	- 1·8	1	0·04	1	- 10	Scarborough†	2·8	- 2·5	19	•	•	•	•	41·5	•
p York	56	62	24th	37	26th	56·3	41·9	48·8	+ 1·2	0	0·00	0	- 11	York	2·2	- 2·5	15	•	•	44·5	-1·7	42·3	-2·4
b, South .. *a* Spurn Head	26	56	28th	37	22, 24, 26	51·1	38·7	44·8	- 1·9	0	0·00	0	- 8	Spurn Head	2·7	—	19	•	•	•	•	•	•
a Lincoln	58	59	24th	36	26th	55·0	40·9	47·6	- 0·5	0	0·00	0	- 10	Lincoln	•	•	•	•	•	44·7	-1·5	42·0	-2·7
a Fulbeck	180	61	24th	30	26th	54·4	36·7	45·1	- 2·7	0	0·00	0	- 11	Rauceby	2·7	- 2·9	19	3	27	45·4	-4·0	42·5	-3·5
														Skegness	3·7	- 2·2	26	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	58	27, 28	34	26th	51·3	37·7	44·2	- 2·6	0	0·00	0	- 10	Cromer	4·1	- 1·8	28	•	•	•	•	•	•
p Little Massingham	280	58	26th	29	24th	53·0	33·9	43·0	- 4·3	1	0·02	0·4	- 13	Lit. Massingham	4·8	- 0·9	33	4	25	•	•	•	•
a Yarmouth	13	58	28th	33	24th	50·1	37·4	43·5	- 3·0	0	0·00	0	- 11	Yarmouth	5·3	—	37	0	31	44·6	-5·6	44·1	-4·3
a Norwich	93	58	24, 26	30	24th	53·3	37·0	44·8	- 2·9	0	0·00	0	- 13	Norwich	4·7	—	33	4	25	44·2	•	•	•
a Geldeston	37	60	28th	27	24th	53·4	35·3	43·9	- 3·3	0	0·00	0	- 11	Geldeston	4·7	- 1·3	33	•	•	•	•	•	•
p Cambridge	41	59	24, 28	26	26th	55·3	34·7	44·5	- 3·7	0	0·00	0	- 11	Cambridge	5·1	- 0·7	36	4	23	45·6	-2·9	43·6	-3·6
a Clacton-on-Sea	54	60	28th	33	24th	51·4	36·9	43·8	- 3·4	0	0·00	0	- 9	Clacton	5·3	- 1·2	37	3	27	44·9	-4·1	44·3	-3·6
a Rothamsted	424	58	28th	27	26th	54·1	35·3	44·3	- 3·0	0	0·00	0	- 13	Rothamsted	5·1	- 0·5	36	5	20	43·2	•	•	•
p Tottenham	51	60	28th	32	24, 26	56·1	37·6	46·4	- 1·9	0	0·00	0	—	Tottenham	6·1	—	43	2	29	•	•	43·9	-3·1
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	58	24th	33	26th	54·7	39·7	46·8	+ 1·3	0	0·00	0	- 13	Harrogate	1·9	- 3·5	13	1	27	44·2	-0·1	42·2	-1·9
p Sheffield	429	58	24th	37	26th	53·7	41·3	47·2	—	0	0·00	0	—	Sheffield	1·8	- 3·2	13	1	30	43·8	-1·6	40·9	-2·6
p Buxton	987	56	24, 28	34	25, 26	52·6	38·6	45·3	+ 1·5	0	0·00	0	- 20	Buxton	2·7	—	19	2	25	42·9	-2·3	39·4	-3·9
b, East .. *a* Bawtry	65	62	24th	31	26th	55·3	38·7	46·6	- 0·9	0	0·00	0	- 11	Worksop	1·5	- 3·4	10	3	24	45·4	•	43·1	•
a Nottingham	82	59	24th	35	25, 26	54·7	38·9	46·4	- 1·1	0	0·00	0	- 11	Nottingham	1·3	- 4·1	9	1	29	44·5	-1·8	40·7	-3·5
p Birmingham, Edgbsn.	535	59	24th	38	25, 26	54·7	40·7	47·4	0·0	0	0·00	0	- 13	Birmingham	1·0	- 3·3	7	2	26	43·3	-1·5	42·0	-2·5
a Raunds	203	62	24th	26	26th	56·0	34·3	44·6	- 3·3	0	0·00	0	- 12	Raunds	•	•	•	6	17	44·1	•	42·7	•
p Oxford	208	61	24th	31	24th	56·9	39·1	47·6	- 0·9	0	0·00	0	- 12	Oxford	4·9	- 0·7	34	2	26	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.)	646	60	22nd	37	25, 26	55·1	39·6	47·0	+ 0·8	0	0·00	0	- 14	Cheadle	•	•	•	1	30	•	•	•	•
p Shrewsbury	191	62	22, 24	32	25th	58·1	41·9	49·6	+ 1·9	0	0·00	0	- 10	Shrewsbury	•	•	•	1	30	•	•	•	•
a Hereford§	291	63	24th	37	23–25	58·9	40·0	49·0	+ 0·8	0	0·00	0	- 13	Malvern§	4·5	—	31	3	29	47·4	•	43·7	•
a Clifton	229	63	24th	38	24th	59·4	43·1	50·9	+ 1·4	0	0·00	0	- 18	Clifton	5·1	—	36	0	33	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	61	28th	29	24th	56·7	35·7	45·7	- 1·2	0	0·00	0	- 16	Worthing	7·8	+ 1·3	55	4	26	47·2	-2·2	45·4	-2·0
p Salisbury (Wilton)	180	62	28th	29	24th	58·4	37·1	47·2	- 1·1	0	0·00	0	- 18	Marlborough	5·2	0·0	36	6	22	47·6	•	44·6	•
a Wisley, Surrey	150	59	28th	28	24th	55·9	35·6	45·3	- 3·0	0	0·00	0	- 12	Salisbury	•	•	•	1	25	48·8	•	•	•
a Tunbridge Wells	354	62	28th	28	26th	54·6	34·7	44·2	- 3·9	0	0·00	0	- 16	Wisley	5·6	- 0·1	39	6	15	45·4	- 2·4	43·1	-3·7
a Margate	53	59	28th	38	23rd	48·3	40·0	44·0	- 4·5	0	0·00	0	- 12	Tunbridge Wells	5·7	- 0·3	40	4	19	44·9	- 3·4	43·3	•
														Margate	6·0	0·0	42	0	32	45·0	- 2·6	43·8	-2·5
a Dungeness	21	58	27th	30	24th	51·0	(36·9	43·6	- 4·1	0	0·00	0	- 11	Dover	5·8	—	41	3	28	•	•	•	•
p St. Leonards	178	58	27th	34	23, 24, 26	51·9	36·9	44·0	- 4·5	0	0·00	0	- 13	St. Leonards	6·5	- 0·1	46	2	29	45·8	•	44·0	•
p Southampton	64	61	24, 28	33	24th	57·9	39·9	48·5	- 1·5	0	0·00	0	- 16	Southampton	7·5	+ 1·3	52	?	?	•	•	•	•
a Ventnor	59	61	28th	35	24th	54·9	40·6	47·4	- 2·1	0	0·00	0	- 14	Ventnor	8·3	+ 1·9	59	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	60	28th	32	26th	55·2	37·9	46·1	- 2·8	0	0·00	0	- 13	Richmond	6·2	+ 0·6	43	3	22	45·5	-2·7	43·5	-3·2
a Westminster	27	62	28th	36	24, 26	57·0	39·2	47·7	- 2·0	0	0·00	0·1	- 12	Westminster	6·0	+ 1·2	42	0	35	•	•	•	•
a Greenwich	155	64	28th	30	26th	56·9	36·9	46·4	- 2·3	0	0·00	0	- 8	Greenwich	5·7	+ 0·4	40	5	21	•	•	•	•
a Hampstead	450	61	28th	31	24th	54·6	35·6	44·6	—	0	0·00	0	—	Hampstead	7·2	—	50	5	20	•	•	•	•
a Camden Square	110	65	28th	32	24, 26	59·4	37·6	48·0	- 2·3	0	0·00	0	- 14	Camden Square	6·5	+ 1·6	45	3	27	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	59	22nd	37	24, 26	52·6	39·4	45·7	- 0·4	0	0·00	0	- 16	Aspatria	2·7	- 2·5	18	0	31	45·3	•	41·9	•
p Newton Rigg	559	60	22, 24	36	24th	56·0	40·9	48·1	+ 2·8	0	0·00	0	- 15	Newton Rigg	2·1	- 3·1	14	1	29	46·3	+0·9	41·2	-2·3
p Stonyhurst	377	59	22nd	37	26th	53·9	41·9	47·6	+ 1·3	1	0·02	1	- 18	Stonyhurst	2·6	- 2·5	18	0	32	•	•	•	•
p Blackpool	66	53	25th	35	24th	51·1	40·6	45·6	- 1·2	0	0·00	0	- 13	Blackpool	3·0	- 2·9	21	4	26	47·0	•	43·4	•
a Southport	37	54	25th	37	24–26	50·7	41·0	45·6	- 1·6	0	0·00	0·1	- 13	Southport	3·1	- 2·7	22	2	28	48·8	+0·1	44·8	-2·1
														Hoylake	4·2	- 1·2	29	2	8	•	•	•	•
a Liverpool (Bidston)	188	54	28th	40	26th	50·7	42·0	46·1	- 1·7	0	0·00	0	- 12	Liverpool	4·0	—	28	2	29	•	•	•	•
a Hawarden Bridge	22	58	28th	37	24, 25	54·4	42·1	48·0	- 0·4	1	0·01	0·3	- 10	Manchester (City)	1·3	- 3·1	9	0	37	44·8	-0·5	42·6	-2·6
p Manchester (Whit. Pk.)	125	59	24th	36	24th	55·4	42·0	48·4	0·0	0	0·00	0	- 14	Whitworth Park	1·5	- 2·6	10	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	71	57	25th	36	24th	52·9	41·3	46·8	- 1·3	0	0·00	0	- 12	Llandudno	6·1	+ 0·3	42	•	•	•	•	•	•
a Holyhead	15	57	28th	41	22, 24	53·6	42·6	47·8	+ 0·4	0	0·00	0	- 14	Holyhead	6·3	—	44	0	32	•	•	•	•
p Bettws-y-Coed	148	60	22nd	34	25th	58·1	39·3	48·3	+ 1·2	0	0·00	0	—	Bettws-y-Coed	5·9	—	41	•	•	44·9	-1·1	43·1	-2·2
p Aberdovey	22	61	22nd	39	25th	56·7	43·6	49·8	—	0	0·00	0	—	Aberdovey	6·4	+ 0·8	45	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	51	27th	36	25th	49·4	41·4	45·2	—	0	0·00	0	—	Aberystwyth ..	7·7	+ 2·0	54	*	*	*	*	*	*
a Rhayader	757	60	22nd	29	25th	55·1	40·6	47·5	—	0	0·00	0	—	Rhayader ..	3·8	—	27	1	26	*	*	*	*
a St. Ann's Head	149	61	23, 24	37	25, 26	55·7	41·6	48·3	+ 0·9	0	0·00	0	- 16	St. Ann's Head ..	7·2	+ 0·9	50	*	*	*	*	*	*
p Cardiff	202	60	22, 25, 28	38	24th	58·3	42·6	53·1	+ 2·0	0	0·00	0	- 21	Cardiff	5·7	—	40	2	24	49·3	+1·8	44·5	-1·5
b, ENGLAND, S.W.																							
a Bath	66	60	24, 28	34	24th	58·4	40·9	49·2	+ 0·6	0	0·00	0	- 16	Bath	*	*	*	*	*	48·5	- 0·6	44·9	-2·9
a Shaftesbury	722	59	28th	33	24th	56·0	37·9	46·5	- 0·7	0	0·00	0	- 18	Shaftesbury ..	*	*	*	*	*	47·9	*	44·2	*
a Arlington	613	60	22, 25	35	27th	56·4	39·6	47·6	+ 0·6	0	0·00	0	- 25										
a Newquay	190	54	23rd	35	24, 26	51·4	39·7	45·3	- 3·5	0	0·00	0	- 15	Newquay ..	8·9	+ 2·6	63	*	*	49·9	*	46·2	*
a Cullompton	202	62	22, 25	35	27th	60·0	39·7	49·4	+ 0·7	0	0·00	0	- 19	Cullompton ..	5·3	- 0·4	33	3	28	50·0	*	*	*
a Portland Bill	19	53	25th	39	24th	50·6	42·3	46·3	- 2·1	0	0·00	0	- 13	Weymouth ..	6·2	—	44	*	*	*	*	*	*
p Plymouth	116	58	25th	35	24th	55·7	41·0	48·0	- 1·6	0	0·00	0	- 18	Plymouth ..	6·0	- 0·3	43	0	31	49·4	- 0·6	46·2	*
a Falmouth	167	60	25th	36	24th	56·3	40·6	48·1	- 0·9	0	0·00	0	- 20	Falmouth ..	9·1	+ 2·5	65	1	29	51·3	*	48·0	*
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	52	23rd	42	23rd	50·3	43·6	46·8	+ 0·6	1	0·01	0·2	- 12	Malin Head ..	4·1	—	28	*	*	*	*	*	*
a Blacksod Point ..	327	55	25th	40	24th	52·9	42·7	47·6	0·0	0	0·00	0	- 18	Markree Castle	1·1	- 4·0	8	2	27	47·5	*	44·0	*
p Markree Castle ..	122	57	23rd	30	26th	54·4	39·4	46·5	0·0	0	0·00	0	- 17										
b, East .. { *p* Armagh	196	59	22, 25, 26	34	22, 26	56·6	38·3	47·0	+ 0·3	0	0·00	0	- 14	Armagh	3·4	- 1·6	23	5	28	46·0	-1·6	43·7	-2·6
a Donaghadee	101	53	26, 27	39	26th	51·4	41·9	46·4	- 0·2	0	0·00	0	- 13										
10. IRELAND, S.																							
p Dublin, City	47	59	22nd	40	22nd	56·4	44·1	50·0	+ 1·1	0	0·00	0	- 14	Dublin City ..	*	*	*	0	36	*	*	*	*
a Birr Castle	175	58	23, 27	40	26th	56·0	43·9	49·7	+ 2·4	0	0·00	0	- 16	Trinity Coll. ..	*	*	*	1	28	48·8	+0·6	45·7	-1·5
a Kilkenny	212	60	22, 26	41	22nd	58·6	44·7	51·3	+ 3·5	0	0·00	0	- 16	Phœnix Park ..	4·7	- 0·9	33	4	24	*	*	*	*
a Waterford	20	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	2·5	- 2·6	17	1	30	*	*	*	*
a Seskin, Carrick-on-Suir	541	62	26th	40	28th	59·3	42·7	50·6	—	0	0·00	0	—	Seskin	4·8	—	34	0	32	*	*	*	*
a Cahir	198	62	23, 26	39	22nd	59·6	44·3	51·6	+ 3·7	0	0·00	0	—										
a Foynes	50	59	26th	44	22nd	56·7	45·7	50·9	+ 2·2	0	0·00	0	- 17										
a Cahirciveen (Val. Obs.)	30	58	26th	36	22, 23	55·3	40·1	47·3	- 1·7	0	0·00	0	- 25	Cahirciveen ..	8·3	+ 2·8	58	0	32	*	*	*	*
a Killarney	174	65	26th	34	22nd	61·4	42·1	51·3	+ 2·6	0	0·00	0	- 23	Ballinacurra ..	5·2	- 0·5	36	*	*	*	*	*	*
a Roche's Point	32	58	27th	42	26th	55·4	44·3	49·6	+ 1·0	0	0·00	0	- 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	57	22nd	40	26th	54·6	44·3	49·2	- 0·2	1	0·01	0·3	- 14	Scilly	11·0	+ 4·7	78	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	59	25th	35	27th	53·9	40·0	46·6	- 3·8	0	0·00	0	- 14	St. Heliers ..	9·6	+ 2·8	68	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	58	28th	39	27th	54·3	41·4	47·5	- 2·9	0	0·00	0	- 15	Guernsey† ..	9·9	+ 3·1	70	1	30	50·1	+0·1	47·0	-1·8

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 28th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†							Extreme Velocities.						
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.		
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.	Date.	
1. SCOTLAND, E.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d. h	m.
Dyce	305	75	15*	—	—	—	—	20	108	39	1	—	7	23 12	18	27 9	25
Aberdeen	153	105	52	—	—	26, 27	8	45	92	23	0	NW. by W.	13	27 10	19	27 11	0
Edinburgh	485	39	31	—	—	28	3	69	71	25	0	WSW.	12	28 23	19	28 23	30
6 SCOTLAND, W.																	
Eskdalemuir	825	50	22	—	—	27, 28	12	51	60	45	0	WNW.	16	28 6	24	28 6	10
Paisley	188	81	52	—	—	—	—	51	81	36	0	NW. by W.	8	28 12	19	28 13	15
2. ENGLAND, N.E.																	
Alnwick Castle	340	70	17	—	—	—	—	25	75	68	0	W. by N.	7	28 16	15	28 16	50
South Shields	72	61	12	—	—	27, 28	2	62	41	51	12	WNW.	12	28 17	19	28 17	5
Spurn Head	66	40	‡	—	—	—	—	59	66	20	23	—	10	28 6	15	28 5	55
3. ENGLAND, E.																	
Gorleston	52	42	‡‡	—	—	—	—	—	—	—	—	—	—	— —	—	— —	—
Shoeburyness	103	90	‡‡	—	—	—	—	51	109	8	0	NW. by N.	9	27 16	13	27 16	5
4. MIDLAND COUNTIES.																	
Benson	270	84	‡	—	—	—	—	13	100	55	0	NW by N.	7	27 15	12	27 8	30
5. ENGLAND, S.E.																	
Dover	271	40	‡	—	—	—	—	59	68	32	9	—	10	25 15	14	25 12	10
Warlingham	642	33	‡‡	—	—	—	—	—	123	45	0	—	5	25 15	12	25 10	5
Brighton	261	53	6	—	—	—	—	1	118	49	0	—	6	24 1	9	24 15	35
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	26	121	21	0	N. by E.	8	25 15	14	25 16	0
7. ENGLAND, N.W.																	
Carnforth	246	56	23	—	—	—	—	24	61	83	0	WSW.	8	27 7	13	27 9	10
Southport	80	62	48	—	—	27, 28	14	57	76	21	0	W. by N.	13	27 4	17	27 4	15
Holyhead	60	40	‡	—	—	28	3	69	96	0	0	W.	12	28 10	15	28 1	40
8. ENGLAND, S.W.																	
Pendennis Castle§ ..	256	65	24	—	—	—	—	15	91	62	0	N.	7	27 10	10	27 10	20
Plymouth	185	88	2	—	—	—	—	5	100	63	0	—	6	25 14	10	27 16	5
Lyme Regis	556	61	‡	—	—	—	—	8	64	96	0	—	7	27 18	12	27 17	45
10. IRELAND, S.																	
Quilty	100	40	‡‡	—	—	—	—	43	83	42	0	—	8	26 20	11	28 14	15
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	—	—	15	93	60	0	NNW.	8	27 14	11	27 12	55
Weaver Pt.	160	30	‡‡	—	—	—	—	—	—	—	—	—	—	— —	—	— —	—
11. ENGLISH CHANNEL.																	
Scilly	150	32	‡	—	—	—	—	—	79	89	0	NW.	4	28 1	7	25 11	20

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTEENTH WEEK of 1917—April 22nd to April 28th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	59	34	83·6	77·8	80·6	+ 0·7	31	0	4	− 8	5	+ 1	0·85	22	+ 5	1·2	−3·4	8	1025
Eastern.																			
1. SCOTLAND, EAST ...	62	28	85·3	77·7	81·4	+ 1·3	42	+ 5	4	− 10	2	− 2	0·24	6	− 6	2·3	−3·0	15	1027
2. ENGLAND, N.E.	62	30	85·2	77·4	81·1	+ 0·3	40	+ 1	6	− 2	1	− 3	0·02	1	− 10	3·1	−2·2	21	1028
3. ENGLAND, EAST ...	60	26	84·7	75·3	79·8	− 1·8	40	− 8	16	+ 9	0	− 4	0·00	0	− 12	5·1	−0·8	35	1028
4. MIDLAND COUNTIES ...	63	26	86·6	77·2	81·7	+ 0·1	49	− 1	7	− 2	0	− 4	0·00	0	− 13	2·5	−2·9	17	1029
5. ENGLAND, S.E.	62	28	85·5	76·1	80·6	− 1·6	44	− 6	13	+ 9	0	− 4	0·00	0	− 14	6·5	+0·4	45	1029
Western.																			
6. SCOTLAND, WEST ...	64	31	85·7	77·9	81·7	+ 0·8	44	+ 3	3	− 5	2	− 2	0·11	3	− 15	4·6	−0·8	31	1029
7. ENGLAND, N.W.	60	34	85·2	78·1	81·4	0·0	40	− 2	2	− 3	0	− 4	0·00	0	− 14	4·1	−1 1	29	1031
8. ENGLAND, S.W.	61	29	86·5	77·8	81·9	− 0·1	48	0	4	+ 1	0	− 4	0·00	0	− 19	6·9	+1·0	48	1031
9. IRELAND, NORTH ...	59	30	85·0	78·3	81·5	+ 0·3	39	− 2	1	− 4	0	− 5	0·00	0	− 15	2·3	−2·8	15	1032
10. IRELAND, SOUTH ...	65	34	87·1	79·5	83·1	+ 1·0	57	+ 8	0	− 3	0	− 4	0·00	0	− 19	5·2½	−0·3	36	1033
11. ENGLISH CHANNEL ...	59	35	85·4	78·5	81·8	− 1·2	41	− 16	0	0	0	− 4	0·00	0	− 14	10·2	+4·5	72	1031

THE SEASON (Spring).—Aggregates, &c., for the Period of 8 Weeks, March 4th to April 28th, 1917.

0. SCOTLAND, NORTH ...	59	11	79·3	73·4	76·2	− 1·9	59	− 91	301	+109	45	+ 8	6·49	165	− 11	2·9	−1·0	22	1009
Eastern.																			
1. SCOTLAND, EAST ...	62	−2	79·5	72·2	75·7	− 2·5	78	−109	365	+151	34	+ 1	4·08	105	+ 3	3·7	−0·6	29	1009
2. ENGLAND, N.E.	62	7	80·2	73·0	76·5	− 2·4	97	−110	310	+154	34	+ 4	3·62	93	+ 16	3·8	−0·8	30	1010
3. ENGLAND, EAST ...	60	17	80·5	72·9	76·5	− 2·9	101	−157	304	+148	33	+ 6	3·96	100	+ 25	3·7	−1·1	29	1010
4. MIDLAND COUNTIES ...	63	9	81·1	73·0	76·9	− 2·5	132	−139	298	+128	29	+ 2	3·74	95	+ 13	3·7	−0·6	29	1011
5. ENGLAND, S.E.	63	18	81·3	73·8	77·4	− 2·6	130	−143	246	+132	32	+ 5	4·34	111	+ 27	4·2	−0·6	33	1012
Western.																			
6. SCOTLAND WEST ...	64	11	80·5	73·6	76·9	− 2·1	109	− 96	274	+129	32	− 1	4·28	109	− 39	4·0	−0·4	31	1010
7. ENGLAND, N.W.	60	5	80·3	73·9	77·0	− 2·4	98	−119	258	+132	30	+ 1	4·49	114	+ 9	4·1	−0·3	32	1011
8. ENGLAND, S.W.	61	18	81·6	74·4	77·8	− 2·2	144	−119	201	+105	33	+ 4	5·21	132	+ 9	5·3	+0·5	42	1012
9. IRELAND, NORTH ...	60	19	81·0	74·4	77·6	− 2·0	124	−105	206	+ 88	36	− 1	4·36	112	− 10	3·4	−0·8	27	1011
10. IRELAND, SOUTH ...	65	20	82·5	75·2	78·7	− 1·7	197	− 86	170	+ 81	34	+ 2	4·09	106	− 25	4·3	−0·4	33	1014
11. ENGLISH CHANNEL ...	59	29	82·2	76·5	79·2	− 2·2	165	−149	114	+ 87	34	+ 3	4·85	123	+ 22	5·9	+0·3	47	1013

THE YEAR 1917—Aggregates, &c., for the Period of 17 Weeks December 31st, 1916, to April 28th, 1917.

0. SCOTLAND, NORTH ...	59	10	78·6	73·4	75·9	− 1·3	90	−119	655	+ 143	82	− 1	12·29	312	−139	2·2	−0·4	21	1013
Eastern.																			
1. SCOTLAND, EAST ...	62	−2	78·3	72·1	75·2	− 1·8	99	−151	839	+ 251	65	− 4	7·59	196	− 33	2·7	−0·4	26	1013
2. ENGLAND, N.E.	62	5	78·5	72·8	75·6	− 2·1	131	−158	771	+ 310	67	+ 3	7·49	191	+ 25	2·4	−0·9	23	1013
3. ENGLAND, EAST ...	60	5	78·5	72·6	75·5	− 2·4	134	−215	780	+ 297	66	+ 4	6·76	172	+ 8	2·4	−1·0	23	1013
4. MIDLAND COUNTIES ...	63	4	78·8	72·4	75·5	− 2·4	168	−204	819	+ 313	57	− 5	6·71	172	− 16	2·2	−0·8	21	1014
5. ENGLAND, S.E.	63	4	79·1	73·2	76·1	− 2·5	172	−218	693	+ 319	56	− 5	6·86	175	− 23	2·9	−0·6	27	1014
Western.																			
6. SCOTLAND, WEST ...	64	11	79·1	73·4	76·2	− 1·8	141	−150	649	+ 245	61	−14	8·64	220	−153	2·7	−0·3	25	1014
7. ENGLAND, N.W.	60	5	78·7	73·3	76·0	− 2·2	138	−171	696	+ 320	57	− 9	8·25	210	− 43	2·8	−0·3	26	1014
8. ENGLAND, S.W.	61	4	79·4	73·8	76·5	− 2·5	204	−203	619	+ 322	57	−10	8·46	214	− 86	3·6	+0·2	34	1014
9. IRELAND, NORTH ...	60	7	79·7	74·1	76·9	− 1·8	194	−159	535	+ 202	70	−11	8·68	222	− 72	2·5	−0·5	24	1014
10. IRELAND, SOUTH ...	65	9	80·6	74·5	77·5	− 2·0	294	−171	501	+ 244	66	− 7	8·56	220	−103	3·1	−0·2	29	1016
11. ENGLISH CHANNEL ...	59	22	80·6	76·0	78·2	− 2·3	270	−261	347	+ 242	63	−10	8·80	223	− 28	4·0	0·0	37	1015
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: May 3rd, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.2.

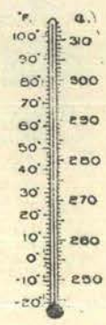
FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 18.

THE EIGHTEENTH WEEK OF 1917.
SUNDAY, APRIL 29TH, TO SATURDAY, MAY 5TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

The pressure distribution remained anticyclonic throughout the week, except in the extreme north of the country, which was affected by depressions travelling Eastwards from Iceland. Sunshine was abundant and caused a general rise of temperature, so that mean values were above normal in all districts. Thus the cold spell which commenced in the second week of January, and had continued almost without interruption was brought to an end. The mean values ranged from 285 a. in the English Channel to 281 a. in Scotland North, the departure from normal varying from +2·7 a. in the Midland Counties to +0·9 a. in Scotland North. The highest day maxima occurred towards the end of the week in all districts and were in many places as high as 295 a. 298 a. was reached at several stations in different parts of the country on the 4th or 5th. Minima below the freezing point were reported from a few stations in the early part of the week, and ground frosts at night were the rule. A rapid change of temperature occurred on the afternoon of Saturday, the 5th, over the south-east of the country, when the Easterly wind freshened and the thermometer readings fell more than 10 a. in the course of a few hours. Sea temperature round our coasts showed a further rise from the preceding week, but except in the vicinity of Ireland remained below normal.



The excess of bright sunshine was most marked in England South-West and in the English Channel, where the daily mean amounted to 11·8 hours. Among individual stations Falmouth recorded the greatest duration with 12·8 hr. per day. As in the preceding week the country as a whole was almost rainless and only in Scotland North did any appreciable fall occur. As may be seen from Table VI the rainfall of the year is much below the normal. The difference between the Eastern and Western districts which is usually about 100 mm. in the 18 weeks is only 35 mm. this year. Halo phenomena were observed during the past week with more than usual frequency, particularly on the 3rd and 4th. A sun pillar was seen at Seskin, Carrick-on-Suir on the latter day.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	4	2·7	5	2·4	1	0·6	0	—	3	1·6	1	2·3	2	2·0	2	1·5
North	2	5·7	1	3·6	6	2·3	7	1·3	4	2·4	4	2·0	3	2·0	2	2·1
West	6	6·0	5	5·4	2	2·3	2	2·1	4	2·9	0	—	4	4·0	2	3·5
East	¼	1·2	1	4·0	4	2·4	5	3·1	2	4·1	6	3·0	3	2·0	1	3·0
Calm	¼	—	0	—	0	—	0	—	0	—	¼	—	0	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Unusual	Unusual
Rainfall ...	Light	Light	Very light	Nought	Nought	Nought	Very light	Very light	Nought	Very light	Nought	Very light
Sunshine ...	Abundant	Abundant	Moderate	Abundant	Abundant	Very abundant	Abundant	Very abundant	Very abundant	Abundant	Very abundant	Very abundant

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 9 weeks from March 4th, 1917. Warmth ...	0, 4, 5	1, 2, 6	1, 1, 7	1, 1, 7	1, 3, 5	1, 2, 6	1, 3, 5	1, 3, 5	1, 3, 5	1, 4, 4	2, 3, 4	1, 1, 7
Rainfall ...	3, 3, 3	2, 6, 1	4, 2, 3	5, 2, 2	2, 5, 2	3, 4, 2	1, 5, 3	2, 4, 3	3, 3, 3	2, 4, 3	1, 3, 5	4, 3, 2
Sunshine ...	2, 4, 3	2, 4, 3	0, 6, 3	1, 5, 3	1, 6, 2	2, 4, 3	2, 4, 3	3, 5, 1	4, 4, 1	1, 5, 3	2, 6, 1	2, 5, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(11284—19.) Wt. 153—442. 450. 5/17. D & S. G. 17/ 36.

IV.—TEMPERATURE RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
						Mean for the Week.												Grass Min.		Earth 1 ft.		Earth 4 ft.	
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.					Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.										
a, Islands .. *a* Lerwick ..	54	53	4th	33	30th	46·7	39·4	42·8	+ 0·5	5	0·91	23	+ 9										
p Deerness	160	61	4th	36	30th	52·0	40·1	45·7	—	3	0·59	15	+ 2	Deerness	6·8	+ 1·4	44						
a Stornoway	31	62	4th	37	30, 5	53·0	41·7	47·0	+ 2·6	4	0·28	7	- 10	Stornoway	6·1	+ 0·4	40						
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay									
b, Mainland. *a* Wick	81	60	4th	32	30th	51·6	38·6	44·7	+ 0·7	3	0·28	7	- 6	Fort Augustus..	6·7	+ 2·6	44						
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	63	4th	33	5th	53·6	39·1	45·9	+ 1·1	3	0·23	6	- 25										
p Fort Augustus..	68	69	4th	37	30th	59·1	42·1	50·1	+ 4·8	2	0·12	3	- 12										
p Fort William	171	67	4th	38	4, 5	58·3	41·1	49·2	+ 2·6	2	0·07	2	- 23										
1. SCOTLAND, E.																							
a Nairn	82	68	4th	34	30th	58·1	40·4	48·7	+ 3·1	2	0·13	3	- 7	Nairn	7·5	—	49						
p Gordon Castle	101	64	4th	32	30th	58·6	39·3	48·4	+ 2·5	1	0·10	3	- 9	Gordon Castle..	7·3	—	47						
a Aberdeen	46	64	4th	40	30, 4, 5	55·3	42·0	48·3	+ 3·0	2	0·09	2	- 11	Aberdeen	7·1	+ 1·7	46	0	?32				
a Balmoral	930	68	4, 5	30	30th	59·6	35·3	46·7	+ 3·9	1	0·02	1	- 13	Balmoral			29	3					
p Crieff	432	72	4th	33	5th	62·1	37·3	49·0	+ 2·3	1	0·02	1	- 13	Crathes	6·8	+ 1·8	44	4	28	46·8	+1·5	42·8	-0·8
a Dundee	244	70	4th	36	1, 3	59·7	39·1	48·8	—	1	0·02	1	- 11	Dundee	7·5	—	49	3	28	46·4			
a Leith	18	68	3, 4	41	3rd	59·6	43·3	51·0	+ 4·0	0	0·00	0	- 10	Leith				0	36				
a Edinburgh	441	67	3, 4	37	5th	59·7	42·1	50·4	—	0	0·00	0	- 10	Edinburgh	7·1	+ 2·2	47	0	36				
a West Linton	769	71	4th	28	3rd	58·7	36·0	46·7	+ 3·4	1	0·04	1	—	West Linton	6·1	—	40	4	23				
p Marchmont	498	69	3rd	35	5th	59·1	40·3	49·1	+ 4·0	0	0·00	0	- 14	Marchmont	7·0	+ 2·0	46	0	35				
6. *a*, SCOTLAND, W.																							
a Poltalloch	132	69	4th	—	—	58·1	—	—	—	1	0·02	1	- 19										
p Glasgow Observatory	180	70	4th	38	5th	60·3	42·4	50·8	+ 3·7	1	0·01	0·2	- 17	Glasgow..	5·9	+ 1·3	39	0	32				
p Rothesay	170	68	4th	38	5th	58·7	41·6	49·6	+ 2·4	2	0·07	2	- 19	Rothesay	8·2	—	54	0	34	49·3		45·4	+0·1
a Kilmarnock	90	73	4th	38	3rd	60·0	42·0	50·5	+ 4·1	2	0·03	1	- 16	Kilmarnock	8·3	—	55			48·4		43·7	
a Colmonell	170	68	4th	34	1st	60·3	38·9	49·0	+ 2·4	2	0·11	3	- 15	Colmonell				1	30				
p Cally, Gatehouse	120	68	3rd	31	1st	61·3	37·9	48·9	+ 2·4	0	0·00	0	- 21	Dumfries	7·5	—	50	1	29	48·1		44·6	
a Dumfries	160	69	3, 4	36	1, 5	61·4	40·3	50·2	+ 2·8	1	0·01	0·2	- 17	Eskdalemuir	7·3	—	49	3	25				
a Eskdalemuir	794	68	4th	30	1, 3	60·3	39·7	47·8	—	1	0·04	1	—										
b, I. OF MAN *p* Douglas	277	69	4th	40	1st	60·4	43·6	51·5	+ 4·5	0	0·00	0	- 17	Douglas	8·8	+ 2·3	59	0	33				
2. ENGLAND, N.E.																							
a Alnwick Castle	210	66	2nd	36	30th	59·7	40·6	49·6	+ 3·8	0	0·00	0	- 13										
a Tynemouth	71	65	2nd	43	30, 1	57·7	44·6	50·8	+ 5·1	1	0·12	3	- 8	Cockle Park	7·0	+ 1·4	46	0	31	47·8	+2·9	43·9	-0·1
p Durham	336	70	4th	37	5th	61·4	40·3	50·2	+ 4·2	1	0·04	1	- 10	Durham	5·4	+ 0·2	36	2	28				
a North .. *p* Rounton	249	73	4th	37	1, 5	62·4	40·3	50·7	+ 4·9	1	0·01	0·3	- 12	Rounton				1	30	47·7			
a West Witton	605	70	4th	38	1-3	60·3	41·0	50·1	—	0	0·00	0	—	West Witton				3	29	47·2		40·6	
p Scarborough	100	60	1st	42	5th	54·1	43·7	48·6	+ 1·8	0	0·00	0	- 11	Scarborough†	6·5	+ 0·6	43					42·7	
p York	56	70	4th	40	3, 5	63·3	42·7	52·4	+ 4·1	1	0·04	1	- 10	York	6·5	+ 1·3	43			47·8	+0·5	43·9	-1·6
b, South .. *a* Spurn Head	26	62	2nd	42	1, 4	55·4	43·7	49·2	+ 2·1	0	0·00	0	- 8	Spurn Head	5·4	—	36						
a Lincoln	58	74	2nd	41	1st	66·4	44·6	54·9	+ 6·0	1	0·02	1	- 9	Lincoln						49·7	+2·5	44·1	-1·4
a Fulbeck	180	70	2nd	36	1, 5	65·0	39·7	51·6	+ 3·2	0	0·00	0·1	- 11	Rauceby	8·2	+ 2·0	55	0	?36	49·5	-0·6	43·8	-3·0
														Skegness	7·6	+ 1·1	51						
3. ENGLAND, E.																							
p Cromer	196	63	2nd	41	4, 5	57·7	43·7	50·3	+ 2·7	0	0·00	0	- 9	Cromer	8·6	+ 2·2	58						
p Little Massingham	280	71	4th	39	5th	61·1	41·4	52·1	+ 4·0	0	0·00	0	- 11	Lit. Massingham	8·1	+ 1·8	54	0	34				
a Yarmouth	13	59	29th	40	29th	54·7	42·9	48·5	+ 1·2	0	0·00	0	- 10	Yarmouth	7·9	—	51	1	30	50·1	-1·0	46·3	-3·0
a Norwich	93	68	2nd	39	2, 3	63·9	42·6	52·6	+ 4·0	0	0·00	0	- 11	Norwich	8·1	—	55	0	33	49·0			
a Geldeston	37	66	5th	34	3rd	62·7	40·4	50·9	+ 2·9	0	0·00	0	- 10	Geldeston	6·7	0·0	46						
p Cambridge	41	73	4th	37	2, 3	66·6	42·0	53·6	+ 4·5	0	0·00	0	- 10	Cambridge	6·6	+ 0·3	45	2	28	49·9	+0·3	45·6	-2·4
a Clacton-on-Sea	54	63	5th	42	1, 2	57·3	44·7	50·6	+ 2·5	0	0·00	0	- 8	Clacton	8·2	+ 1·0	56	0	31	49·4	+0·4	46·3	-2·3
a Rothamsted	424	72	4th	38	1, 2	65·3	41·0	52·4	+ 4·3	0	0·00	0	- 11	Rothamsted	7·1	+ 0·9	48	3	29	47·7			
p Tottenham	51	72	4th	41	2nd	66·0	45·3	55·0	+ 5·6	0	0·00	0	—	Tottenham	8·2	—	56	0	36			46·1	-1·7
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	69	4th	38	4th	60·7	41·3	50·4	+ 4·2	0	0·00	0	- 19	Harrogate	7·7	+ 2·1	51	2	30	46·6	+1·4	44·2	-0·5
p Sheffield	429	70	4th	41	5th	63·0	44·4	53·1	—	0	0·00	0	—	Sheffield	6·3	+ 1·1	42	0	35	47·7	+1·1	42·4	-1·8
p Buxton	987	69	4th	34	2nd	61·6	38·0	49·1	+ 4·5	0	0·00	0	- 13	Buxton	7·0	—	47	5	26	46·0	-0·5	40·9	-3·3
b, East .. *a* Bawtry	65	74	4th	35	2, 4, 5	64·7	38·3	50·7	+ 2·4	0	0·00	0	- 11	Worksop	5·5	+ 0·3	37	4	28	48·4		44·9	
a Nottingham	82	71	4th	37	3, 5	65·0	39·9	51·7	+ 3·3	0	0·00	0	- 11	Nottingham	6·0	+ 0·4	40	0	31	48·1	+0·4	42·9	-1·3
p Birmingham, Edgbas.	535	72	4th	40	1st	65·4	44·6	54·4	+ 6·1	0	0·00	0	- 13	Birmingham	6·0	+ 1·4	41	4	26	46·4	+1·3	43·0	-1·8
a Raunds	203	74	4th	36	2nd	67·4	39·7	52·7	+ 3·9	0	0·00	0	- 13	Raunds				6	25	47·6		43·8	
p Oxford	208	74	4th	40	2nd	67·9	42·6	54·5	+ 5·1	0	0·00	0	- 11	Oxford	8·1	+ 2·1	55	0	32				
c, West .. *a* Cheadle (N. Staffs.)	646	71	4th	40	30, 1, 2	64·4	41·9	52·5	+ 5·5	0	0·00	0	- 13	Cheadle				0	32				
p Shrewsbury	191	74	4th	32	1st	66·7	38·7	51·9	+ 3·5	0	0·00	0	- 10	Shrewsbury				0	31				
a Hereford§	291	73	4th	37	2nd	68·1	40·6	53·5	+ 4·6	0	0·00	0	- 12	Malvern§	9·2	—	63	1	30	50·8		46·0	
a Clifton	229	76	4th	43	30th	69·1	45·7	56·7	+ 6·2	0	0·00	0	- 16	Clifton	9·9	—	67	0	39				
5. ENGLAND, S.E.																							
a Marlborough	424	74	4th	31	30th	67·6	36·9	51·3	+ 3·4	0	0·00	0	- 11	Worthing	10·6	+ 3·4	73	0	33	52·2	+1·5	46·9	-1·4
p Salisbury (Wilton)	180	77	5th	34	30th	69·7	38·4	53·1	+ 3·7	0	0·00	0	- 12	Marlborough	8·2	+ 2·5	56	4	28	50·3		45·9	
a Wisley, Surrey	150	72	5th	35	2nd	66·1	40·3	52·4	+ 3·1	0	0·00	0	- 9	Salisbury				1	29	51·9			
a Tunbridge Wells	354	70	5th	38	30, 1, 2	65·7	42·3	53·3	+ 4·2	0	0·00	0	- 11	Wisley	7·9	+ 1·7	54	5	25	48·9	-0·2	44·9	-2·7
a Margate	53	59	29, 30, 2	43	1, 2	55·0	45·1	49·8	+ 0·4	0	0·00	0	- 9	Tunbridge Wells	9·1	+ 2·5	62	3	28	50·1	+0·4	45·2	
														Margate	10·1	+ 3·7	69	0	31	51·0	+2·4	46·5	-0·5
a Dungeness	21	62	5th	38	30, 2	56·7	43·0	49·4	+ 0·6	0	0·00	0	- 7	Dover	11·3	—	77	2	29				
p St. Leonards	178	69	4th	44	1st	62·6	45·9	53·8	+ 4·4	0	0·00	0	- 9	St. Leonards	10·7	+ 3·5	73	0	28	51·3		45·5	
p Southampton	64	76	5th	41	2nd	68·9	44·3	55·9	+ 4·8	0	0·00	0	- 11	Southampton	10·3	+ 3·6	71	3	38				
a Ventnor	59	72	4th	46	30th	64·3	49·7	56·6	+ 6·2	0	0·00	0	- 10	Ventnor	10·4	+ 3·4	71						
LONDON. *p* Richmond (Kew Obs.)	18	70	4th	39	1, 2	65·3	43·2	53·6	+ 3·6	0	0·00	0	- 9	Richmond	7·7	+ 1·5	52	3	28	50·0	+0·8	45·5	-2·1
a Westminster	27	71	2, 4	41	30, 2	66·5	45·3	55·3	+ 4·5	0	0·00	0	- 9	Westminster	6·5	+ 1·2	44	0	39				
a Greenwich	155	71	2, 4	38	1, 2	66·6	42·1	53·6	+ 3·8	1	0·01	0	- 8	Greenwich	7·3	+ 1·8	50	4	27				
a Hampstead	450	70	4th	42	1st	63·4	43·9	53·1	—	0	0·00	0	—	Hampstead	8·2	—	56	3	27				
a Camden Square	110	76	4th	40	1, 2	70·6	44·0	56·5	+ 5·0	0	0·00	0	- 10	Camden Square	7·4	+ 2·0	50	0	36				
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	65	3, 4	35	5th	57·4	41·0	48·7	+ 2·0	2	0·09	2	- 15	Aspatria	7·9	+ 2·4	53	0	35	46·8		43·6	
p Newton Rigg	559	70	3rd	33	1st	60·9	39·6	49·6	+ 3·5	2	0·07	2	- 15	Newton Rigg	8·2	+ 2·6	55	2	27	48·0	+1·5	43·2	-1·1
p Stonyhurst	377	70	4th	37	1st	60·4	41·0	50·1	+ 3·0	0	0·00	0	- 20	Stonyhurst	8·1	+ 2·6	54	0	31				
p Blackpool	66	69	4th	38	3rd	60·1	43·1	51·1	+ 3·6	0	0·00	0	- 15	Blackpool	7·4	+ 1·0	49	2	29	49·1		44·7	
a Southport	37	70	4th	38	3rd	60·1	42·6	50·8	+ 2·9	0	0·00	0	- 15	Southport	9·0	+ 2·7	60	2	30	51·4	+1·2	47·0	-1·1
														Hoylake	8·2	+ 2·4	55						
a Liverpool (Bidston)	188	72	4th	42	1st	61·1	45·4	52·8	+ 4·3	0	0·00	0	- 13	Liverpool	8·8	—	59	0	31				
a Hawarden Bridge	22	75	4th	36	1st	65·0	43·0	53·3	+ 4·2	0	0·00	0	- 12	Manchester (City)	3·9	+ 0·8	26	0	38	47·7	+1·2	44·5	-1·5
p Manchester (Whit. Pk.)	126	77	4th	39	2nd	65·6	41·9	53·0	+ 3·8	0	0·00	0	- 15	Whitworth Park	5·6	+ 1·1	38						
b, NORTH WALES.																							
p Llandudno	71	68	4th	40	3rd	59·4	43·6	51·0	+ 2·3	0	0·00	0	- 13	Llandudno	9·5	+ 3·2	64						
a Holyhead	15	70	4th	43	1st	60·1	45·0	52·1	+ 4·2	0	0·00	0	- 14	Holyhead	9·7	—	65	1	30				
p Bettws-y-Coed	148	76	4th	35	1st	65·6	39·3	51·7	+ 3·9	1	0·01	0	—	Bettws-y-Coed.	8·4	—	56			46·9	-0·2	44·4	-1·5
p Aberdovey	22	74	4th	43	1-3	64·6	46·1	54·8	—	0	0·00	0	—	Aberdovey	9·8	+ 3·8	67						

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
																		Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	67	5th	40	2nd	57·3	44·9	50·9	—	0	0·00	0	—	Aberystwyth ..	10·4	+ 4·6	71	*	*	*	*	*	*
a Rhayader	757	71	5th	31	2nd	63·6	37·7	49·9	—	0	0·00	0	—	Rhayader ..	9·7	—	66	1	28	*	*	*	*
a St. Ann's Head	149	71	5th	42	1st	61·0	45·3	52·7	+ 4·9	0	0·00	0	- 13	St, Ann's Head ..	11·0	+ 4·7	75	*	*	*	*	*	*
p Cardiff	202	74	5th	42	30th	66·6	44·7	55·0	+ 6·2	0	0·00	0	- 17	Cardiff	9·8	—	67	2	27	51·9	+2·2	46·5	−0·3
b, ENGLAND, S.W.																							
a Bath	66	74	4th	36	30th	67·7	39·7	52·9	+ 3·5	0	0·00	0	- 13	Bath	*	*	*	*	*	50·7	+0·2	46·7	-1·9
a Shaftesbury	722	73	5th	40	29, 30	66·3	44·9	55·0	+ 7·1	0	0·00	0	- 15	Shaftesbury ..	*	*	*	*	*	51·9	*	46·4	*
a Arlington	613	76	5th	36	30, 1	65·3	41·1	52·5	+ 4·9	0	0·00	0	- 20										
a Newquay	190	66	3rd	33	29, 30	59·9	40·3	49·5	+ 0·3	1	0·13	3	- 9	Newquay ..	11·6	+ 5·2	79	*	*	51·9	*	47·6	*
a Cullompton	202	76	4, 5	32	30th	69·6	38·7	53·2	+ 3·8	0	0·00	0	- 15	Cullompton ..	10·9	+ 5·1	75	3	26	52·3	*	*	*
a Portland Bill	19	63	4th	43	29th	57·9	47·3	52·3	+ 3·4	0	0·00	0	- 11	Weymouth ..	11·1	—	76	*	*	*	*	*	*
p Plymouth	116	73	4th	38	29th	65·6	45·3	54·8	+ 4·7	0	0·00	0	- 14	Plymouth ..	12·0	+ 5·7	82	0	31	52·5	+1·1	47·8	*
a Falmouth	167	69	5th	40	29th	62·6	45·7	53·6	+ 4·2	0	0·00	0	- 16	Falmouth ..	12·8	+ 6·1	88	1	30	51·0	*	49·8	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	60	4th	43	1, 3	53·4	44·3	48·6	+ 1·7	1	0·08	2	- 12	Malin Head ..	9·4	—	63	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	64	3, 4	44	29, 3	56·9	45·7	51·0	+ 2·7	1	0·01	0·3	- 21	Markree Castle	7·4	+ 2·2	49	3	29	50·1	*	45·3	*
{ *p* Markree Castle ..	122	74	4th	33	3rd	63·3	38·6	50·2	+ 2·8	0	0·00	0	- 20										
b, East .. { *p* Armagh	196	70	4th	37	3rd	63·6	41·0	51·6	+ 3·9	0	0·00	0	- 17	Armagh	8·1	+ 3·0	54	2	29	48·5	-0·7	45·3	-1·9
{ *a* Donaghadee	101	62	1st	40	1st	57·7	44·1	50·5	+ 3·1	2	0·12	3	- 13										
10. IRELAND, S.																							
p Dublin, City	47	65	4th	43	1, 3	62·4	45·4	53·4	+ 3·8	0	0·00	0	- 14	Dublin City ..	*	*	*	0	33	*	*	*	*
a Birr Castle	175	71	3, 4	37	1st	64·7	41·1	52·2	+ 4·1	0	0·00	0·1	- 15	Trinity Coll. ..	*	*	*	2	39	50·8	+1·4	47·5	-0·5
a Kilkenny	212	73	4th	35	1, 3	65·4	39·9	51·9	+ 3·3	0	0·00	0	- 15	Phœnix Park ..	9·3	+ 2·6	62	5	26	*	*	*	*
a Waterford	20	75	4th	38	3rd	65·9	43·6	54·1	+ 4·7	0	0·00	0	- 16	Birr Castle ..	7·9	+ 1·9	53	2	27	*	*	*	*
a Seskin, Carrick-on-Suir	541	72	4, 5	39	1st	65·0	43·4	53·6	—	0	0·00	0	—	Seskin	8·7	—	59	1	29	*	*	*	*
a Cahir	193	74	4th	34	1, 3	65·6	39·7	51·9	+ 3·3	0	0·00	0	—										
a Foynes	50	71	4th	36	3rd	63·3	43·6	52·9	+ 3·5	0	0·00	0	- 16										
a Cahirciveen (Val. Obs.)	30	72	5th	36	2nd	61·6	42·0	51·2	+ 1·6	0	0·00	0	- 23	Cahirciveen ..	11·0	+ 4·4	75	0	32	*	*	*	*
a Killarney	174	77	4th	36	1, 2	68·2	41·4	54·0	+ 4·7	0	0·00	0	- 21	Ballinacurra ..	8·4	+ 1·7	57	*	*	*	*	*	*
a Roche's Point	32	71	5th	43	29, 1, 2	59·9	44·6	51·8	+ 2·6	0	0·02	0·4	- 17										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	65	5th	44	29, 30	59·9	46·9	53·0	+ 3·0	1	0·01	0·3	- 12	Scilly	12·3	+ 5·5	84	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	72	4th	39	29th	64·3	46·9	55·1	+ 3·8	0	0·00	0	- 13	St. Heliers ..	11·2	+ 4·0	78	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	65	5th	43	30th	61·4	45·6	53·0	+ 1·7	1	0·02	1	- 11	Guernsey† ..	12·0	+ 4·6	83	0	32	52·8	+1·5	48·7	-0·7

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 5th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	28, 29, 1, 2, 4	41	45	64	18	0	WSW.	16	29	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	16	106	46	0	—	7	29	7	19	29	6	15
Aberdeen	153	105	52	—	—	—	—	45	83	40	0	NW. by W.	10	29	8	17	29	6	15
Edinburgh	485	39	31	—	—	29	3	79	47	15	24	WSW.	12	29	3	20	29	3	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	29, 5	14	43	66	45	0	NE. by N.	12	5	10	19	29	3	10
Paisley	188	81	52	—	—	—	—	35	90	43	0	W. by S.	10	29	3	23	29	2	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	18	82	63	5	N.	8	5	9	16	5	5	45
South Shields	72	61	12	—	—	29	5	34	90	39	0	W. by N.	13	29	5	21	29	5	25
Spurn Head	66	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	5	7	25	77	59	0	NE.	13	5	22	—	—	—	—
Shoeburyness	103	90	‡	—	—	5	7	29	82	30	0	NE. by E.	13	5	23	18	5	22	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	5	4	18	83	61	0	NE. by N.	14	5	18	22	5	18	20
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	5	10	39	56	63	0	—	16	5	20	22	5	20	5
Warlingham	642	33	‡	—	—	—	—	18	75	75	0	—	8	5	20	18	5	19	25
Brighton	261	53	6	—	—	5	4	46	88	36	4	—	13	5	22	22	5	22	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	36	75	57	0	N. by E.	11	5	17	17	5	17	15
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	17	61	90	0	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	—	—	29, 5	5	30	108	25	0	ENE.	12	5	15	19	5	15	10
Southport	80	62	48	—	—	29, 5	18	30	106	14	0	ENE.	14	5	15	19	5	15	10
Holyhead	60	40	‡	5	2	5	9	48	101	8	0	ENE.	17	5	18	21	5	18	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	3, 5	8	18	99	43	0	E.	12	5	23	18	5	24	0
Plymouth	185	88	2	—	—	—	—	9	77	71	11	—	8	5	22	16	5	23	10
Lyme Regis	556	61	‡	—	—	5	4	5	45	114	0	—	16	5	23	20	5	22	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	5	3	44	79	42	0	E. by N.	14	5	24	—	—	—	—
Quilty	100	40	‡	—	—	—	—	28	89	27	24	—	8	5	18	13	5	18	30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	15	75	78	0	ENE.	10	5	22	15	5	16	20
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																			
Scilly..	150	32	‡	—	—	5	1	12	42	110	3	ESE.	13	5	24	18	5	23	50

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.)

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTEENTH WEEK of 1917—April 29th to May 5th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	69	32	85·1	77·6	81·1	+ 0·9	39	+ 4	5	− 5	3	− 2	0 32	8	− 10	6·5	+1·5	42	1018
Eastern.																			
1. SCOTLAND, EAST ...	72	28	87·9	77·0	82·2	+ 1·7	57	+ 16	8	− 3	1	− 3	0·05	1	− 12	7·2	+2·0	47	1020
2. ENGLAND, N.E.	74	36	88·9	78·7	83·5	+ 2·3	62	+ 21	0	− 5	1	− 3	0·03	1	− 10	6·9	+1·0	46	1022
3. ENGLAND, EAST ...	73	34	89·7	78·9	84·0	+ 1·9	69	+ 17	0	− 5	0	− 4	0 00	0	− 10	7·7	+1·3	52	1021
4. MIDLAND COUNTIES ...	76	32	91·8	78·2	84·6	+ 2·7	79	+ 27	2	− 5	0	− 3	0·00	0	− 12	7·1	+1·4	48	1021
5. ENGLAND, S.E.	77	31	90·9	79·1	84·6	+ 1·9	76	+ 21	0	− 2	0	− 3	0·00	0	− 10	9·6	+3·1	66	1020
Western.																			
6. SCOTLAND, WEST ...	70	31	88·7	78·0	83·1	+ 1·8	61	+ 18	3	− 2	1	− 3	0·03	1	− 19	7·4	+1·8	49	1021
7. ENGLAND, N.W.	77	33	89·4	78·7	83·7	+ 2·0	65	+ 21	0	− 3	1	− 3	0·02	1	− 15	8·5	+2·9	57	1022
8. ENGLAND, S.W.	76	31	91·1	79·1	84·8	+ 2·5	78	+ 28	0	− 2	0	− 4	0·00	0	− 16	11·2	+5·2	76	1021
9. IRELAND, NORTH ...	74	33	88·5	78·8	83·4	+ 1·7	61	+ 17	0	− 3	1	− 4	0·04	1	− 17	7·8	+2 6	52	1022
10. IRELAND, SOUTH ...	77	34	90·8	78·8	84·5	+ 2·0	75	+ 23	0	− 1	0	− 4	0·00	0	− 18	9·2	+2·6	61	1022
11. ENGLISH CHANNEL ...	72	39	89·6	81·1	85·1	+ 1·7	82	+ 21	0	0	1	− 3	0·01	0	− 13	11·8	+4·6	82	1020

THE SEASON (Spring).—Aggregates, &c., for the Period of 9 Weeks, March 4th to May 5th, 1917.

0. SCOTLAND, NORTH ...	69	11	79·9	73·8	76·8	− 1·5	98	− 87	306	+104	48	+ 6	6·81	173	− 21	3·3	−0·7	25	1010
Eastern.																			
1. SCOTLAND, EAST ...	72	−2	80·4	72·8	76·5	− 1·9	135	− 93	373	+148	35	− 2	4·13	106	− 9	4·1	−0·3	31	1011
2. ENGLAND, N.E.	74	7	81·2	73·7	77·3	− 1·9	159	− 89	310	+149	35	+ 1	3·65	94	+ 6	4·1	−0·7	31	1011
3. ENGLAND, EAST ...	73	17	81·5	73·5	77·4	− 2·3	170	−140	304	+143	33	+ 2	3·96	100	+ 15	4·2	−0·8	32	1012
4. MIDLAND COUNTIES ...	76	9	82·3	73·5	77·7	− 2·0	211	−112	300	+123	29	− 1	3·74	95	+ 1	4·1	−0·4	31	1012
5. ENGLAND, S.E.	77	18	82·3	74·4	78·2	− 2·1	206	−122	246	+130	32	+ 2	4·34	111	+ 17	4·8	−0·2	37	1013
Western.																			
6. SCOTLAND WEST ...	70	11	81·4	74·1	77·6	− 1·7	170	− 78	277	+127	33	− 4	4·31	110	− 58	4·4	−0·1	33	1012
7. ENGLAND, N.W.	77	5	81·3	74·4	77·7	− 1·9	163	− 98	258	+129	31	− 2	4·51	115	− 6	4·6	0·0	36	1012
8. ENGLAND, S.W.	76	18	82·6	74·9	78·6	− 1·7	222	− 91	201	+103	33	0	5·21	132	− 7	6·0	+1·1	46	1013
9. IRELAND, NORTH ...	74	19	81·8	74·9	78·2	− 1·6	185	− 88	206	+ 85	37	− 5	4·40	113	− 27	3·9	−0·4	30	1013
10. IRELAND, SOUTH ...	77	20	83·4	75·6	79·3	− 1·3	272	− 63	170	+ 80	34	− 2	4·09	106	− 43	4·8	−0·1	37	1014
11. ENGLISH CHANNEL ...	72	29	83·1	77·0	79·9	− 1·7	247	−128	114	+ 87	35	0	4·86	123	+ 9	6·6	+0·8	51	1014

THE YEAR 1917—Aggregates, &c., for the Period of 18 Weeks December 31st, 1916, to May 5th, 1917.

0. SCOTLAND, NORTH ...	69	10	78·9	73·6	76·2	− 1·1	129	−115	660	+ 138	85	− 3	12·61	320	−149	2·4	−0·3	23	1013
Eastern.																			
1. SCOTLAND, EAST ...	72	−2	78·8	72·4	75·6	− 1·6	156	−135	847	+ 248	66	− 7	7·64	197	− 45	2·9	−0·3	27	1014
2. ENGLAND, N.E.	74	5	79·1	73·1	76·1	− 1·8	193	−137	771	+ 305	68	0	7·52	192	+ 15	2·7	−0·8	25	1014
3. ENGLAND, EAST ...	73	5	79·2	73·0	76·0	− 2·1	203	−198	780	+ 292	66	0	6·76	172	− 2	2·7	−0·9	25	1014
4. MIDLAND COUNTIES ...	76	4	79·5	72·7	76·0	− 2·1	247	−177	821	+ 308	57	− 8	6·71	172	− 28	2·5	−0·7	23	1014
5. ENGLAND, S.E.	77	4	79·8	73·6	76·6	− 2·2	248	−197	693	+ 317	56	− 8	6·86	175	− 33	3·3	−0·5	30	1014
Western.																			
6. SCOTLAND, WEST ...	70	11	79·6	73·7	76·6	− 1·6	202	−132	652	+ 243	62	−17	8·67	221	−172	2·9	−0·2	27	1015
7. ENGLAND, N.W.	77	5	79·3	73·6	76·4	− 2·0	203	−150	696	+ 317	58	−12	8·27	211	− 58	3·1	−0·1	28	1015
8. ENGLAND, S.W.	76	4	80·1	74·1	77·0	− 2·1	282	−175	619	+ 320	57	−14	8·46	214	−102	4·0	+0·4	37	1015
9. IRELAND, NORTH ...	74	7	80·2	74·4	77·2	− 1·6	255	−142	535	+ 199	71	−15	8·72	223	− 89	2·8	−0·3	26	1014
10. IRELAND, SOUTH ...	77	9	81·2	74·7	77·9	− 1·7	369	−148	501	+ 243	66	−11	8·56	220	−121	3·4	−0·1	31	1016
11. ENGLISH CHANNEL ...	72	22	81·1	76·2	78·6	− 2·1	352	−240	347	+ 242	64	−13	8·81	223	− 41	4·4	+0·2	40	1015
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : May 10th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 73

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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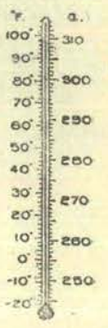
FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 19.

THE NINETEENTH WEEK OF 1917.
SUNDAY, MAY 6TH, TO SATURDAY, MAY 12TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

During this period the British Isles were under the influence of an anticyclone centred between Iceland and Scandinavia, and of depressions which came up from the Atlantic to the Bay of Biscay and thence passed beyond our western coasts. Light to moderate breezes from East or South-East were the rule. The weather presented great variations; it was generally fine over England, showery over Ireland, cold and wet over Scotland.



The cold area included Scotland and the north of England, the mean temperature being from 2 a. to 4 a. below the normal. At Wick in the far north the temperature did not exceed 280 a. all the week and at Balmoral the maximum on the 9th was as low as 276 a. In some parts of England there were remarkable divergences between the records of neighbouring stations, for example at Yarmouth on Friday the maximum was only 285 a., whereas at Norwich on the same day the temperature reached 298½ a. The average maxima for these two stations for the week were 283 a. and 289½ a. respectively. There were occasional frosts in the North but at several of the southern stations the minimum was above 285 a. The temperature of the sea-water was below 280 a. on the east coast and approached 284 a. in the Channel. There was much fog on many sections of the coast.

Precipitation was very unequally distributed, Scotland east receiving double the normal and England east only one tenth. Many stations in England had none. There were few heavy falls on any one day, and these were associated with thunderstorms which visited an extensive region towards the end of the week—29 mm. at Edgbaston on the 10th, and 25 mm. at Rhayader and 32 mm. at Cardiff on the 12th.

Sunshine was deficient over Scotland north and east and Ireland north, all other districts returning an excess, England east having over 10 hours per day.

Solar halos were observed at Oxford and Marlborough towards the end of the week, a parhelion at Oxford on the 10th.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 6.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	3	2·9	3	1·7	¼	1·2	1	1·9	2	1·2	5	4·2	5	2·9	3	2·6
North	3	2·2	4	1·0	4	4·0	5	2·0	5	1·6	1	0·8	1	1·8	1	1·7
West	1	3·4	0	—	0	—	0	—	2	1·8	1	1·6	1	1·9	¼	4·6
East	6	5·6	7	2·5	6	7·0	7	4·4	5	4·5	5	6·5	6	2·8	5	3·3
Calm	0	—	0	—	0	—	0	—	0	—	¼	—	¼	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet‡ *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Very heavy	Moderate	Light	Heavy	Light	Heavy	Heavy	Heavy	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Very scanty	Moderate	Very abundant	Abundant	Abundant	Scanty	Abundant	Moderate	Moderate	Moderate	Scanty

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 10 weeks from March 4th, 1917.	Warmth ...	0, 4, 6	1, 2, 7	1, 1, 8	1, 2, 7	1, 4, 5	1, 3, 6	1, 3, 6	1, 4, 5	1, 4, 5	1, 5, 4	2, 4, 4	2, 1, 7
	Rainfall ...	3, 4, 3	3, 6, 1	4, 3, 3	5, 2, 3	3, 5, 2	3, 4, 3	2, 5, 3	3, 4, 3	4, 3, 3	2, 5, 3	1, 4, 5	4, 4, 2
	Sunshine ...	2, 4, 4	2, 4, 4	0, 7, 3	2, 5, 3	2, 6, 2	3, 4, 3	2, 4, 4	4, 5, 1	4, 5, 1	1, 6, 3	2, 7, 1	2, 5, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(11399—19.) Wt. 153—442. 450. 5/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands .. *a* Lerwick ..	54	46	9th	33	8th	43·9	38·0	40·8	− 2·7	5	0·55	14	+ 1									
p Deerness	160	46	9th	33	8th	43·7	36·4	39·8	—	5	0·63	16	+ 4	Deerness ..	4·3	− 1·2	27	*	*	*	*	*
a Stornoway	51	51	12th	32	6th	47·3	36·4	41·5	− 4·1	4	0·51	13	− 3	Stornoway ..	2·3	− 3·6	14	*	*	*	*	*
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	*	*	*	*	*	*	*	*
b, Mainland. *a* Wick	81	45	7th	30	9th	43·3	34·4	38·6	− 6·6	6	0·50	13	0	Fort Augustus..	2·6	− 1 6	16	*	*	*	*	*
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—									
p Glencarron	500	58	12th	27	6th	46·6	33·7	39·8	− 6·2	5	0·46	12	− 16									
p Fort Augustus..	68	58	6th	27	6th	48·0	36·6	42·0	− 4·7	6	0·61	16	+ 1									
p Fort William	171	69	12th	27	6th	53·6	36·4	44·5	− 3·5	4	0·55	14	− 9									
1. SCOTLAND, E.																						
a Nairn	82	52	7th	31	7th	47·1	33·4	39·8	− 7·4	6	1·14	29	+ 18	Nairn ..	3·3	− 2·6	21	*	*	*	*	*
p Gordon Castle	101	63	12th	31	9th	48·0	33·7	40·4	− 7·1	6	0·81	21	+ 9	Gordon Castle..	4·0	—	25	*	*	*	*	*
a Aberdeen	46	49	7th	34	9th	45·6	37·4	41·3	− 5·5	6	0·94	24	+ 10	Aberdeen ..	2·5	—	16	0	31	44·1	−0·1	*
a Balmoral	930	61	12th	29	6th	46·6	31·6	38·7	− 5·8	6	1·53	39	+ 25	Balmoral ..	*	*	*	5	28	*	*	*
p Crieff	432	56	7th	27	6th	46·9	32·3	39·2	− 9·2	6	1·46	37	+ 23	Crathes ..	2·6	− 2·8	17	3	24	45·8	−1·6	44·2	−0·4
a Dundee	244	52	7th	31	6, 7	45·9	35·3	40·3	—	6	1·01	26	+ 14	Dundee ..	2·2	—	14	3	25	45·9	*	*	*
a Leith	18	50	7th	35	7th	45·9	38·6	42·0	− 6·5	5	0·64	16	+ 5	Leith ..	*	*	*	1	28	*	*	*
a Edinburgh	441	48	7th	34	7th	44·6	36 7	40·4	—	5	0·62	16	+ 6	Edinburgh ..	1·7	− 3·8	11	1	22	*	*	*
a West Linton	769	55	7th	22	7th	48·3	33·1	40·2	− 4·8	2	0·51	13	—	West Linton ..	2·1	—	13	3	17	*	*	*
p Marchmont	498	54	7th	28	7th	48·1	35·1	41·2	− 5·5	4	1·15	29	+ 15	Marchmont ..	2 9	− 2·7	19	1	26	*	*	*
6. *a*, SCOTLAND, W.																						
a Poltalloch	132	60	12th	—	—	50·7	—	—	—	4	0·93	24	+ 8									
p Glasgow Observatory	180	55	6th	34	6, 7	48·0	37·6	42·5	− 6·4	4	1·03	26	+ 12	Glasgow..	2 2	− 2 7	14	2	26	*	*	*
p Rothesay	170	57	6th	33	6th	48·6	37·0	42·5	− 6·4	5	1·06	27	+ 10	Rothesay ..	3·5	—	22	2	28	46·9	*	46·7	+0·6
a Kilmarnock	90	62	12th	31	6, 7	51·7	37·6	45·6	− 2·7	5	1·11	28	+ 14	Kilmarnock ..	3·5	—	22	*	*	47·2	*	45·3	*
a Colmonell	170	—	—	—	—	—	—	—	—	—	—	—	—	Colmonell ..	*	*	*	*	*	*	*	*
p Cally, Gatehouse	120	71	12th	28	7th	58·1	37·6	47·2	− 1·1	4	0·82	21	+ 4	Dumfries ..	5·4	—	35	3	22	48·7	*	46·7	*
a Dumfries	160	70	12th	30	6, 7	56·4	37·0	46·1	− 3·2	4	0·87	22	+ 8	Eskdalemuir ..	4·0	—	26	4	16	*	*	*	*
a Eskdalemuir	794	63	12th	23	7th	52·0	32·7	41·8	—	2	0·56	14	—									
b, I. OF MAN *p* Douglas	277	65	12th	37	6th	54·3	42·1	47·8	− 0·9	4	1·39	35	+ 21	Douglas ..	6·2	− 1·4	40	0	34	*	*	*
2. ENGLAND, N.E.																						
a Alnwick Castle	210	51	12th	27	7th	47·7	37·1	42·1	− 5·2	4	0·57	15	+ 2									
a Tynemouth	71	48	11th	34	7th	45·9	38·9	42·2	− 5·0	3	0·28	7	− 4	Cockle Park ..	4·0	− 1·8	26	2	21	45·4	−2·1	44·9	−0·3
p Durham	336	55	12th	28	7th	49·6	35·4	42·1	− 5·4	4	0·36	9	− 2	Durham ..	5·2	− 0·1	34	4	24	*	*	*	*
a North .. *p* Rounton	249	59	7th	28	7th	53·1	35·4	43·7	− 3·6	3	0·18	5	− 6	Rounton ..	*	*	*	4	22	48·0	*	*	*
a West Witton	605	62	12th	26	7th	54·1	36·0	44·5	—	3	0·39	10	—	West Witton ..	*	*	*	2	18	47·2	*	42·4	*
p Scarborough	100	52	11th	35	6th	48·1	38·9	43·2	− 5·1	1	0·06	2	− 9	Scarborough† ..	4·9	− 1·2	32	*	*	*	*	43·4	*
p York	56	68	12th	34	7th	57·3	38·9	47·6	− 2·4	2	0·32	8	− 3	York ..	7·0	+ 1·6	45	*	*	48·5	−0·6	45·2	−1·2
b, South .. *a* Spurn Head	26	58	11th	36	7th	50·0	40 0	44·7	− 4·0	2	0·35	9	+ 1	Spurn Head ..	6·7	—	44	*	*	*	*	*	*
a Lincoln	58	72	11th	35	7th	57·4	41·3	48 9	− 1·8	2	0·50	13	+ 3	Lincoln ..	*	*	*	*	*	51·5	+2·0	46·9	+0·4
a Fulbeck	180	72	11th	26	7th	58·7	38·6	48·1	− 2 0	2	0·35	9	− 2	Rauceby ..	10·1	+ 3·7	66	?	?	51·3	−0·8	45·7	−2·0
														Skegness ..	7·5	+ 0·8	49	*	*	*	*	*	*
3. ENGLAND, E.																						
p Cromer	196	68	11, 12	37	6, 7	55·7	40·0	47·4	− 1·7	0	0·00	0	− 9	Cromer ..	9·7	+ 3·3	63	*	*	*	*	*	*
p Little Massingham	280	76	11th	29	7th	62·9	36·1	45·7	− 1·0	1	0·06	1	− 10	Lit. Massingham	11·0	+ 4·7	75	2	25	*	*	*	*
a Yarmouth	13	62	12th	38	12th	50·3	41·1	45·4	− 3·4	0	0·00	0	− 10	Yarmouth ..	10·6	—	70	0	36	51·9	−1·2	48·4	−1·9
a Norwich	93	78	11th	33	7th	61·9	40·3	50·5	+ 0·2	0	0·00	0	− 11	Norwich ..	11·0	—	73	2	25	50·5	*	*	*
a Geldeston	37	74	11th	35	6, 7, 9	59·1	38·4	48·1	− 1·5	0	0·00	0	− 10	Geldeston ..	10·6	+ 3·8	70	*	*	*	*	*	*
p Cambridge	41	77	11, 12	31	7th	65·9	39·1	51·7	+ 0·9	1	0·09	2	− 8	Cambridge ..	9·8	+ 3·5	65	4	25	51·4	−0·6	47·7	−1·4
a Clacton-on-Sea	54	65	11, 12	38	9th	54·7	43·3	48·7	− 1·0	0	0·00	0	− 8	Clacton ..	10·6	+ 3·3	70	0	33	49·9	−1·2	48·1	−1·5
a Rothamsted	424	75	12th	32	7th	64·4	38·4	50·6	+ 0 8	1	0·11	3	− 8	Rothamsted ..	9·0	+ 2·8	60	3	26	49·3	*	*	*
p Tottenham	51	75	12th	35	7th	66·0	41·7	52·7	+ 2·0	0	0·00	0	—	Tottenham ..	9·4	—	63	0	32	*	*	48·6	−0·3
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	65	12th	27	7th	54·6	35·9	44·7	− 3·0	2	0·30	8	− 2	Harrogate ..	6·3	+ 0·6	41	1	19	46 7	−0·3	46·0	+0·3
p Sheffield	429	67	12th	31	7th	56·9	38·6	47·2	–	3	0·41	11	—	Sheffield..	6·4	+ 1·0	42	1	22	47·5	−1·0	44·0	−1·1
p Buxton	987	66	12th	30	7th	56·7	36·4	45·9	− 0·1	3	0·66	17	+ 3	Buxton ..	7·4	—	48	4	24	48·7	0·0	42·8	−2·0
b, East .. *a* Bawtry	65	70	12th	25	7th	61·3	36·7	48·3	− 1·5	3	0·63	16	+ 8	Worksop ..	7·8	+ 2·5	51	3	20	49·5	*	46·7	*
a Nottingham	82	73	11th	35	6-8	59·7	38·7	48·6	− 1·4	2	0·79	20	+ 11	Nottingham ..	8·4	+ 2·6	56	1	28	48·4	−1·8	44·9	−1·7
p Birmingham, Edgbsn.	535	70	12th	34	7th	59·1	39·0	48·5	− 1·5	4	1·80	46	+ 36	Birmingham ..	7·3	+ 2·5	48	1	27	48·4	−1·4	44·2	−1·2
a Raunds	203	76	11, 12	28	7th	64·4	35 4	49·0	− 1·5	2	0·05	1	− 10	Raunds ..	*	*	*	6	19	49·5	*	45·1	*
p Oxford	208	74	11 12	32	7th	65·0	39·9	51·7	+ 0·7	4	0·33	8	− 1	Oxford ..	8·2	+ 2·0	54	2	24	*	*	*	*
c, West .. *a* Cheadle (N. Staffs.)	646	69	11, 12	29	7th	60·9	37·6	48·6	0·0	3	0·76	19	+ 9	Cheadle ..	*	*	*	1	25	*	*	*	*
p Shrewsbury	191	72	11th	32	8th	62·9	39·1	50·3	+ 0·4	3	0·84	21	+ 13	Shrewsbury ..	*	*	*	2	24	*	*	*	*
a Hereford§	291	70	11th	30	7, 8	62·1	38·1	49·4	− 1·1	4	0·67	17	+ 7	Malvern§ ..	8·0	—	53	3	24	52·2	*	48·4	*
a Clifton	229	75	12th	35	7th	67·3	43·4	54·6	+ 2·4	3	0·41	10	− 2	Clifton ..	8·3	—	55	0	33	*	*	*	*
5. ENGLAND, S.E.																						
a Marlborough	424	75	12th	34	7-9	65·7	37·6	50·8	+ 1·1	2	0·08	2	− 8	Worthing ..	8·4	+ 1·1	56	0	35	54·0	+1·1	49·0	+0·7
p Salisbury (Wilton)	180	75	11, 12	33	7th	67·1	39·7	52·6	+ 1·3	1	0·14	4	− 6	Marlborough ..	8·1	+ 2·3	54	3	23	52·4	*	47·5	*
a Wisley, Surrey	150	76	11, 12	37	8th	66·1	41·9	53·3	+ 2·2	1	0·02	1	− 7	Salisbury ..	*	*	*	1	29	54·2	*	*	*
a Tunbridge Wells	354	75	11th	36	7th	64·1	43·0	52·9	+ 2·1	0	0·00	0	− 10	Wisley	8·1	+ 1·7	54	3	22	51 0	−0·5	46·8	−2·0
a Margate	53	64	12th	40	6th	54·9	44·4	49·3	− 1·9	0	0·00	0	− 8	Tunbridge Wells	8·4	+ 1·7	56	1	25	52·5	+0·3	47·6	*
														Margate	9 0	+ 2·5	60	0	32	50·8	+0·3	48 6	+0·6
a Dungeness	21	67	11th	41	6th	57·0	44·1	50·2	− 0·4	0	0·00	0	− 6	Dover	11·4	—	76	0	34	*	*	*	*
p St. Leonards	178	72	11, 12	40	6, 9	61·9	46·3	53·6	+ 2·4	0	0·00	0	− 8	St. Leonards ..	9·3	+ 1·9	62	0	37	53·3	*	47·6	*
p Southampton	64	75	12th	37	9th	64·1	44·6	53·8	+ 0·9	2	0·16	4	− 6	Southampton ..	8·6	+ 1·8	57	2	28	*	*	*	*
a Ventnor	59	70	11th	41	6, 7, 9	59·9	43·0	50·9	− 1·2	2	0·25	6	− 3	Ventnor	7·8	+ 0 8	52	*	*	*	*	*	*
LONDON. *p* Richmond (Kew Obs.)	18	74	11th	37	7th	63·5	42·8	52·5	+ 0·6	0	0·00	0·1	− 9	Richmond ..	7 6	+ 1·3	51	0	32	51·3	−0·2	47·1	−1·4
a Westminster	27	76	11th	38	7th	65·0	43·4	53·6	+ 1·0	0	0·00	0·1	− 8	Westminster ..	7·7	+ 2·3	51	?	?	*	*	*	*
a Greenwich	155	79	11th	36	7th	64·4	41·1	52·1	+ 0·7	0	0·00	0	− 9	Greenwich ..	8·3	+ 2·6	55	3	26	*	*	*	*
a Hampstead	450	74	11th	33	7th	62·4	39·6	50·3	—	0	0·00	0	—	Hampstead ..	8·8		59	4	25	*	*	*	*
a Camden Square	110	78	11, 12	35	7th	68·1	41·7	54·1	+ 0·7	0	0·00	0	− 9	Camden Square	8·3	+ 2·8	55	0	34	*	*	*	*
7. *a*, ENGLAND, N.W.																						
c Aspatria (Mealsgate)	487	69	12th	30	6th	55·9	35·9	45·3	− 3·0	4	0·53	14	+ 1	Aspatria.. ..	6·5	+ 0·6	42	2	26	47·3	*	45·0	*
p Newton Rigg	559	70	12th	27	7th	56·6	35·7	45·5	− 2·3	4	0 83	21	+ 8	Newton Rigg ..	8·0	+ 1·9	52	2	22	47·5	−1·2	44·8	−0·5
p Stonyhurst	377	66	12th	32	7th	56·9	39·0	47·4	− 1·4	4	0·73	19	+ 4	Stonyhurst ..	6·9	+ 1 1	45	1	26	*	*	*	*
p Blackpool	66	69	12th	31	7th	58·6	39·2	48·4	− 0·7	4	0·68	17	+ 5	Blackpool ..	6·0	− 0·9	39	2	26	48·8	*	45·9	*
a Southport	37	70	12th	31	7th	60·3	38·7	48·9	− 0·7	4	0·61	16	+ 5	Southport ..	7·5	+ 0·8	49	3	21	50·3	−2·2	48·4	−1·2
														Hoylake ..	7·2	+ 1·1	47	*	*	*	*	*	*
a Liverpool (Bidston)	188	68	12th	33	7th	59·3	39·7	48·9	− 1·3	4	0·69	17	+ 7	Liverpool ..	7·4	—	48	2	27	*	*	*	*
a Hawarden Bridge	22	69	12th	34	6, 7	60·6	39·3	49·3	− 1·4	3	0·42	11	+ 1	Manchester(City)	5·5	+ 0·5	36	1	28	48·5	−0·4	46·4	−0·5
p Manchester (Whit. Pk.)	126	71	11, 12	32	7th	61·1	42 3	51·1	+ 0·2	4	0·68	17	+ 6	Whitworth Park	7·5	+ 2·6	49	*	*	*	*	*	*
b. NORTH WALES.																						
p Llandudno	71	70	12th	35	6th	59·3	42·4	50·3	0·0	4	0·81	21	+ 11	Llandudno ..	8·1	+ 1·4	53	*	*	*	*	*	*
a Holyhead	15	73	12th	38	6, 7	60·0	43·0	51·0	+ 1·7	4	0·98	25	+ 15	Holyhead ..	7·2	—	47	2	24	*	*	*	*
p Bettws-y-Coed	148	70	12th	31	7th	61·9	39·7	50·1	+ 0·8	4	0·89	23	—	Bettws-y-Coed.	7·9	—	52	*	*	47·1	−1·9	45·3	−1·4
p Aberdovey	22	70	12th	38	7th	63·1	44·0	53·0	—	2	0·76	19	—	Aberdovey ..	8·6	+ 2·3	57	*	*	*	*	*	*

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	72	12th	38	7th	60·9	45·3	52·6	—	2	0·79	20	—	Aberystwyth ..	9·3	+ 2·9	62	*	*	*	*	*	*
a Rhayader	757	67	11th	27	7th	59·6	37·9	48·1	—	3	1·23	31	—	Rhayader ..	8·4	—	56	3	22	*	*	*	*
a St. Ann's Head	149	66	12th	39	6, 7	57·1	43·6	50·0	+ 0·7	3	0·67	17	+ 7	St. Ann's Head	7·8	+ 0·8	52	*	*	*	*	*	*
p Cardiff	202	70	11th	34	7th	62·7	42·9	52·2	+ 1·6	4	1·64	42	+ 29	Cardiff	8·8	—	58	1	27	53·3	+1·6	48·2	+0·2
b, ENGLAND, S.W.																							
a Bath	66	75	12th	33	7th	66·9	40·7	53·0	+ 1·8	3	0·84	21	+ 11	Bath	*	*	*	*	*	53·5	+0·8	48·5	-1·3
a Shaftesbury	722	72	12th	33	7th	63·3	41·0	51·5	+ 1·8	2	0·24	6	- 5	Shaftesbury ..	*	*	*	*	*	52·6	*	48·6	*
a Arlington	613	70	11th	36	7th	63·0	42·6	52 2	+ 2·9	2	0·30	8	- 7										
a Newquay	190	65	12th	36	8th	58·0	43·4	50·3	+ 0·6	2	0·20	5	- 4	Newquay ..	6·9	- 0·3	46	*	*	53·4	*	48·9	*
a Cullompton	202	74	11th	35	7, 8	66·3	41·0	52·9	+ 1·7	2	0·48	12	+ 1	Cullompton ..	8·3	+ 1·9	55	2	28	55·5	*	*	*
a Portland Bill	19	58	12, 11	40	7th	53·0	43·3	47·9	- 2·6	3	0·67	17	+ 9	Weymouth ..	8·0	—	53	*	*	*	*	*	*
p Plymouth	116	69	11th	41	7, 8	60·3	45·3	52·4	+ 0·6	2	0·50	13	+ 2	Plymouth ..	7·2	+ 0·2	48	0	32	54·9	+1·4	49·8	*
a Falmouth	167	64	11th	43	7–9	56·4	45·3	50·5	- 0·5	2	0·28	7	- 5	Falmouth ..	6·3	- 1·2	42	1	30	56·7	*	51·8	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	60	12th	34	6th	50·7	40·9	45·5	- 2·9	5	0·60	15	+ 5	Malin Head ..	4·7	—	30	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	64	12th	38	6th	58·3	44·4	50·9	+ 1·2	4	0·67	17	+ 2	Markree Castle	4·6	- 1·3	30	1	27	52·6	*	46·8	*
{ *p* Markree Castle ..	122	72	12th	35	6th	61·9	43·4	52·1	+ 3·2	4	0·49	12	- 2										
b, East .. { *p* Armagh	196	67	12th	35	6, 7	56·4	40·6	48·0	- 1·3	4	0·75	19	+ 6										
{ *a* Donaghadee	101	52	12th	38	6, 7	48·4	40·9	44·4	- 4·5	4	0·79	20	+ 8	Armagh	4·9	- 0·9	32	2	26	49·1	-2·1	46·9	-1·2
10. IRELAND, S.																							
p Dublin, City	47	63	12th	39	7th	57·1	44·1	50·2	- 1·0	3	0·74	19	+ 8	Dublin City ..	*	*	*	0	34	*	*	*	*
a Birr Castle	175	71	12th	33	7th	61·9	40·7	50·7	+ 1·1	4	0·40	10	- 2	Trinity Coll. ..	*	*	*	3	24	51·1	0·0	48·7	-0·2
a Kilkenny	212	70	12th	32	7th	60·7	40·4	49·9	- 0·3	4	0·57	15	+ 3	Phœnix Park ..	6·4	+ 0·3	42	3	21	*	*	*	*
a Waterford	20	68	12th	37	7th	61·3	42·4	51·3	+ 0·4	3	0·94	24	+ 12	Birr Castle ..	6·4	+ 0·9	42	2	26	*	*	*	*
a Seskin, Carrick-on-Suir	541	66	12th	37	7th	57·1	42·3	49·3	—	4	1·65	42	—	Seskin	6·4	—	42	3	24	*	*	*	*
a Cahir	199	68	12th	30	7th	61·4	40·4	50·3	+ 0·1	4	0·59	15	—										
a Foynes	50	68	12th	34	7th	62·0	42·1	51·5	+ 0·6	3	0·35	9	- 3										
a Cahirciveen (Val. Obs.)	30	69	12th	37	7th	61·1	45·4	52·8	+ 1·8	4	0·43	11	- 6	Cahirciveen ..	6·4	+ 0·3	42	0	34	*	*	*	*
a Killarney	174	67	7, 8	35	7th	64·9	44·5	54·1	+ 3·3	3	0·35	9	- 7	Ballinacurra ..	5·1	- 1·1	34	*	*	*	*	*	*
a Roche's Point	32	63	12th	39	7th	55·6	45·0	50·0	- 0·6	4	1·38	35	+ 22										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	60	11th	44	7th	56·1	46·6	51·1	- 0·2	2	0·16	4	- 3	Scilly	5·2	- 2·4	35	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	76	11, 12	44	6, 7, 9	64·7	48·1	55·9	+ 3·1	2	0·41	11	+ 4	St. Heliers ..	5·2	- 2·9	35	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	68	11, 12	44	6, 7	60·9	47·3	53·7	+ 0·9	2	0·95	24	+ 17	Guernsey† ..	6·8	- 1·5	46	0	36	54·0	+0·7	50·3	-0·1

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 12th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.	Date.		
0. SCOTLAND, N	ft.	ft.	ft.		hr.		hr	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	5, 11	17	73	65	13	0	E. by N.	12	11	15	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	113	55	0	—	5	6	15	11	6	14	5
Aberdeen	153	105	52	—	—	—	—	47	85	36	0	E. by S.	8	10	5	12	6	13	55
Edinburgh	485	39	31	—	—	—	—	3	144	21	0	SE. by S.	6	8	9	9	8	9	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	49	99	20	0	E. by S.	8	9	15	12	9	14	10
Paisley	188	81	52	—	—	—	—	10	137	21	0	E.	7	9	20	15	9	18	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	5	91	60	12	SE. by E.	6	9	13	8	9	12	45
South Shields	72	61	12	—	—	—	—	32	82	54	0	SE.	9	9	18	11	9	17	0
Spurn Head	66	40	‡	—	—	—	—	68	84	6	10	—	9	9	17	14	8	5	30
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	6, 8	27	74	34	7	26	NE. by E.	13	8	8	—	—	—	—
Shoeburyness	103	90	‡	—	—	6, 8	13	82	55	9	9	E.	13	6	10	17	6	9	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	50	89	29	0	ESE.	10	12	21	17	6	2	45
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	6, 8	20	44	37	49	18	—	14	6	1	22	6	0	10
Warlingham	642	33	‡	—	—	—	—	25	113	30	0	—	10	6	9	20	6	9	10
Brighton	261	53	6	—	—	—	—	65	93	8	2	—	11	6	1	18	6	4	40
Richmond (Kew Obs.)..	82	65	22	—	—	6	2	75	76	15	0	E. by N.	12	6	11	19	6	1	30
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	Record defective.		—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Southport	80	62	48	—	—	—	—	91	77	0	0	E	10	9	19	14	6	9	15
Holyhead	60	40	‡	—	—	6	11	56	94	7	0	E. by N.	15	6	4	18	6	4	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	6	2	6, 7, 9, 12	38	44	50	34	0	E.	18	6	3	22	6	3	10
Plymouth	185	88	2	—	—	—	—	25	87	56	0	—	9	6	13	18	6	0	10
Lyme Regis	556	61	‡	—	—	—	—	11	42	115	0	—	11	6	2	15	6	0	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	6	6	18	116	28	0	E. by N.	14	6	1	—	—	—	—
Quilty	100	40	‡	—	—	—	—	82	62	24	0	—	10	9	16	14	9	19	0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	50	75	43	0	ENE.	8	6	3	14	6	0	30
Weaver Pt.	160	30	‡	—	—	—	—	72	69	27	0	—	9	12	12	15	11	9	35
11. ENGLISH CHANNEL.																			
Scilly..	150	32	‡	—	—	6	17	39	59	53	0	ESE.	14	6	1	22	6	1	25

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINETEENTH WEEK of 1917—May 6th to May 12th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	69	27	81·4	75·2	78·1	− 3·0	14	− 28	23	+ 16	5	+ 1	0·53	14	− 3	3·1	−2·1	19	1022
Eastern.																			
1. SCOTLAND, EAST ...	63	22	81·4	74·3	77·7	− 3·7	14	− 33	27	+ 20	5	+ 1	1·02	26	+ 13	2·5	−3·1	16	1020
2. ENGLAND, N.E.	72	26	84·1	76·5	80·1	− 2·0	34	− 15	10	+ 7	3	0	0·33	9	− 2	6·5	+0·5	42	1020
3. ENGLAND, EAST ...	78	29	88·6	77·3	82·6	− 0·3	60	0	6	+ 3	1	− 2	0·03	1	− 9	10·1	+3·7	67	1017
4. MIDLAND COUNTIES ...	76	25	89·5	76·6	82·7	− 0·1	67	+ 4	10	+ 5	3	0	0·66	17	+ 7	7·5	+1·7	49	1016
5. ENGLAND, S.E.	76	33	89·9	78·9	84·1	+ 0·5	70	+ 4	0	− 2	1	− 2	0·07	2	− 7	8·7	+2·0	58	1015
Western.																			
6. SCOTLAND, WEST ...	71	28	84·9	76·4	80·4	− 1·9	39	− 15	11	+ 8	4	0	1·03	26	+ 10	4·2	+1·6	27	1019
7. ENGLAND, N.W.	73	27	88·1	77·2	82·3	− 0·3	58	+ 3	7	+ 5	4	0	0·72	19	+ 7	7·5	+1·4	49	1016
8. ENGLAND, S.W.	75	27	89·1	78·8	83·6	+ 0·3	64	+ 11	0	− 1	3	0	0·69	17	+ 5	7·7	+1·1	52	1014
9. IRELAND, NORTH ...	72	33	86·5	78·4	82·2	− 0·4	47	− 7	1	− 1	4	0	0·62	16	+ 3	4·8	−1·1	31	1015
10. IRELAND, SOUTH ...	71	30	88·9	79·0	83·7	+ 0·4	64	+ 2	0	− 1	4	0	0·64	16	+ 3	6·1	+0·1	40	1013
11. ENGLISH CHANNEL ...	76	44	88·9	81·5	85·0	+ 0·9	81	+ 11	0	0	2	− 1	0·51	13	+ 5	5·7	−2·3	38	1013

THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, March 4th to May 12th, 1917.

0. SCOTLAND, NORTH ...	69	11	80·1	74·0	76·9	− 1·7	112	−115	329	+120	53	+ 7	7·34	187	− 24	3·3	−0·8	24	1011
Eastern.																			
1. SCOTLAND, EAST ...	72	−2	80·5	72·9	76·6	− 2·1	149	−126	400	+168	40	− 1	5·15	132	+ 4	3·9	−0·6	29	1012
2. ENGLAND, N.E.	74	7	81·5	74·0	77·6	− 1·9	193	−104	320	+156	38	+ 1	3·98	103	+ 4	4·4	−0·5	33	1012
3. ENGLAND, EAST ...	78	17	82·2	73·9	77·9	− 2·1	230	−140	310	+146	34	0	3·99	101	+ 6	4·8	−0·3	36	1012
4. MIDLAND COUNTIES ...	76	9	83·0	73·9	78·2	− 1·8	278	−108	310	+128	32	− 1	4·40	112	+ 8	4·4	−0·2	33	1012
5. ENGLAND, S.E.	77	18	83·1	74·8	78·8	− 1·8	276	−118	246	+128	33	0	4·41	113	+ 10	5·2	0·0	39	1013
Western.																			
6. SCOTLAND, WEST ...	71	11	81·7	74·3	77·9	− 1·7	209	− 93	288	+135	37	− 4	5·34	136	− 48	4·4	−0·3	33	1012
7. ENGLAND, N.W.	77	5	82·0	74·7	78·2	− 1·7	221	− 95	265	+134	35	− 2	5·23	134	+ 1	4·9	+0·2	37	1013
8. ENGLAND, S.W.	76	18	83·3	75·3	79·1	− 1·5	286	− 80	201	+102	36	0	5·90	149	− 2	6·2	+1·1	47	1013
9. IRELAND, NORTH ...	74	19	85·3	75·3	78·6	− 1·5	232	− 95	207	+ 84	41	− 5	5·02	129	− 24	4·0	−0·5	30	1013
10. IRELAND, SOUTH ...	77	20	84·0	75·9	79·8	− 1·1	336	− 61	170	+ 79	38	− 2	4·73	122	− 40	4·9	−0·1	37	1014
11. ENGLISH CHANNEL ...	76	29	83·6	77·4	80·4	− 1·5	328	−117	114	+ 87	37	− 1	5·37	136	+ 14	6·5	+0·5	50	1014

THE YEAR 1917—Aggregates, &c., for the Period of 19 Weeks December 31st, 1916, to May 12th, 1917.

0. SCOTLAND, NORTH ...	69	10	79·1	73·7	76·3	− 1·2	143	−143	683	+ 154	90	− 2	13·14	334	−152	2·4	−0·4	22	1014
Eastern.																			
1. SCOTLAND, EAST ...	72	−2	79·0	72·5	75·7	− 1·7	170	−168	874	+ 268	71	− 6	8·66	223	− 32	2·9	−0·4	27	1014
2. ENGLAND, N.E.	74	5	79·3	73·3	76·3	− 1·8	227	−152	781	+ 312	71	0	7·85	201	+ 13	2·9	−0·7	26	1014
3. ENGLAND, EAST ...	78	5	79·7	73·2	76·4	− 2·0	263	−198	786	+ 295	67	− 2	6·79	173	− 11	3·1	−0·6	28	1014
4. MIDLAND COUNTIES ...	76	4	80·0	72·9	76·4	− 2·0	314	−173	831	+ 313	60	− 8	7·37	189	− 21	2·8	−0·5	25	1014
5. ENGLAND, S.E.	77	4	80·3	73·9	77·0	− 2·1	318	−193	693	+ 315	57	−10	6·93	177	− 40	3·5	−0·3	32	1014
Western.																			
6. SCOTLAND, WEST ...	71	11	79·9	73·8	76·8	− 1·6	241	−147	663	+ 251	66	−17	9·70	247	−162	3·0	−0·2	27	1015
7. ENGLAND, N.W.	77	5	79·8	73·8	76·7	− 1·9	261	−147	703	+ 322	62	−12	8·99	230	− 51	3·3	−0·1	30	1015
8. ENGLAND, S.W.	76	4	80·6	74·3	77·4	− 2·0	346	−164	619	+ 319	60	−14	9·15	231	− 97	4·2	+0·5	38	1015
9. IRELAND, NORTH ...	74	7	80·5	74·6	77·5	− 1·5	302	−149	536	+ 198	75	−15	9·34	239	− 86	2·9	−0·3	26	1014
10. IRELAND, SOUTH ...	77	9	81·6	75·0	78·2	− 1·6	433	−146	501	+ 242	70	−11	9·20	236	−118	3·6	0·0	32	1016
11. ENGLISH CHANNEL ...	76	22	81·5	76·5	79·0	− 1·9	433	−229	347	+ 242	66	−14	9·32	236	− 36	4·5	+0·1	40	1015
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : May 17th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 20.

THE TWENTIETH WEEK OF 1917.
SUNDAY, MAY 13TH, TO SATURDAY, MAY 19TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

At the beginning of the week, a large, shallow depression was centred off the west of Ireland, and the gentle Southerly wind which prevailed over the British Isles brought a high temperature. By the 15th, however, an anticyclone was spreading over the Kingdom from the Atlantic, causing winds from the Northward, with a lower temperature. This anticyclone moved slowly north-eastward, while the wind became North-East and East and the thermometer still lower until the approach of a depression from the Bay of Biscay brought an admixture of warmer air from the South-East.

The highest temperature was recorded on the 13th or 14th generally; at Geldeston and Wisley the thermometer touched 299 a., and several other English stations reported maxima above 297 a. In Ireland and Scotland, however, there were few readings above 290 a. On the 15th and 16th the eastern coastline of Great Britain was very cold, maximum readings below 283 a. being experienced, and at some inland stations the figure was little higher. Frost occurred locally in Scotland on the 16th and 17th, the lowest minimum being 269·5 a. at Balmoral. In Scotland the mean for the week was below the normal, but in England East, the Midland Counties, and England South-East it was above it; elsewhere the divergence was very slight. The temperature of the sea water continued below the normal generally, but was rather higher than during the week preceding. The mean at Scilly, 285 a., was about 6 a. higher than that at Burnmouth and Wick. Fog was often prevalent along the east coast, and was sometimes reported from the Irish Sea.

Thunderstorms were very general over northern England on the 13th, but the accompanying rain was not, as a rule, heavy. The total rainfall for the week, however, considerably exceeded the normal in most English localities and also in Scotland West; in England North-East it was 236 per cent. of the normal. In Scotland North and England South-West there was a deficit. The largest fall in one day was 24 mm. at Durham on the 14th.

Bright Sunshine. Except in Scotland North the weather was unusually dull for the time of year. Over the greater part of the Kingdom the mean loss of sunshine per day exceeded 3 hours, in England South-East and Ireland South it was more than 4 hours. In Scotland North the mean daily duration was 6·6 hours, in England South-East only 3 hours, and in England North-West and Ireland South only 2·7 hours.

A striking instance of "Visibility" occurred at Portland Bill from 0 h. to 3 h. on the 14th, when at a distance of 44 geographical miles "St. Catherine's light was clearly visible."

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	2	2·4	2	3·3	2	1·7	4	1·2	2	4·3	5	3·3	4	2·9	3	2·4
North	4	3·6	4	1·6	3	4·5	3	3·4	4	3·1	2	2·3	3	3·2	3	3·6
West	2	1·5	1	2·7	1	2·2	3	1·4	3	2·1	2	2·1	2	5·1	1	1·8
East	4	5·7	5	3·9	4	3·8	4	2·3	4	6·7	5	4·0	5	5·1	5	4·2
Calm	1	—	1	—	2	—	1	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet; *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Unusual	Unusual	Unusual	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Light	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Scanty	Very scanty	Very scanty	Scanty	Very scanty	Scanty	Very scanty	Very scanty	Scanty	Very scanty	Very scanty

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 11 weeks from March 4th, 1917.	Warmth ..	0, 4, 7	1, 2, 8	1, 2, 8	2, 2, 7	2, 4, 5	2, 3, 6	1, 3, 7	1, 5, 5	1, 5, 5	1, 6, 4	2, 5, 4	2, 2, 7
	Rainfall ...	3, 4, 4	3, 7, 1	5, 3, 3	6, 2, 3	4, 5, 2	4, 4, 3	3, 5, 3	3, 5, 3	4, 3, 4	2, 6, 3	1, 5, 5	4, 5, 2
	Sunshine ...	3, 4, 4	2, 4, 5	0, 7, 4	2, 5, 4	2, 6, 3	3, 4, 4	2, 4, 5	4, 5, 2	4, 5, 2	1, 6, 4	2, 7, 2	2, 5, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(11497—19.) Wt. 153—442. 450. 5/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
a, Islands.. *a* Lerwick	54	50	17th	38	16th	47·9	41·3	44·4	+ 0·2	2	0·20	5	- 7										
p Deerness	160	50	16, 19	40	16, 17	48·1	41·9	44·8	—	2	0·24	6	- 6	Deerness ..	7·6	+ 1·5	46	•	•	•	•	•	•
a Stornoway	51	62	19th	36	16th	54·7	41·9	47·9	+ 1·5	3	0·17	4	- 11	Stornoway ..	7·9	+ 1·3	48	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	•	•	•	•	•	•	•	•	•
b, Mainland. *a* Wick	81	48	16, 19	33	16th	46·9	40·6	43·6	- 2·4	2	0·20	5	- 7	Fort Augustus..	4·4	- 0·2	27	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort Augustus.. ..	68	58	17, 18	31	16th	54·0	41·9	47·6	0·0	3	0·20	5	- 9										
p Fort William	171	68	17th	33	16th	61·4	43·4	51·9	+ 3·0	2	0·15	4	- 18										
1. SCOTLAND, E.																							
a Nairn	82	60	17th	31	16th	54·0	38·1	45·6	- 2·5	3	0·39	10	- 1	Nairn	6·4	—	39	•	•	•	•	•	•
p Gordon Castle.. ..	101	62	19th	34	16th	56 3	40·6	48·0	- 0·3	2	0·35	9	- 4	Gordon Castle..	6·6	—	41	•	•	•	•	•	•
a Aberdeen	46	59	14th	35	16, 17	53·1	41·1	46·7	- 0·9	2	0 31	8	- 6	Aberdeen ..	5·8	- 0·4	36	1	29	•	•	44·7	-0·7
a Balmoral	930	63	18th	26	17th	58·1	37·4	47·1	+ 1·6	2	0·14	4	- 10	Balmoral ..	•	•	•	2	23	•	•	•	•
p Crieff	432	58	13th	34	16th	54·6	39 9	46·8	- 2·5	4	0·52	13	- 2	Crathes	4·6	- 1·1	28	2	22	47·6	-2·1	44·7	-1·3
a Dundee	244	61	13th	33	16th	54·4	39·7	46·6	—	3	0·47	12	- 1	Dundee	4·9	—	30	2	24	46·6	•	•	•
a Leith	18	64	13th	40	15, 16	52·4	41·6	46·7	- 2·7	4	0·51	13	+ 2	Leith	•	•	•	0	35	•	•	•	•
a Edinburgh	441	60	13th	37	16th	49·4	40·7	44·8	—	4	0·64	16	+ 5	Edinburgh ..	3·3	- 2·4	21	1	30	•	•	•	•
a West Linton	769	61	13th	30	16th	52·1	38·3	44·8	- 1·1	4	0·63	16	—	West Linton ..	3·5	—	22	2	20	•	•	•	•
p Marchmont	498	61	13th	33	16th	49·6	39·6	44·3	- 3·3	5	0·57	14	- 1	Marchmont ..	2 4	- 3·4	15	1	30	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Poltalloch	132	65	13th	—	—	59·9	—	—	—	2	0·91	23	+ 7										
p Glasgow Observatory	180	59	13th	39	16th	53·1	43·6	48·1	- 2·0	5	1·19	30	+ 15	Glasgow.. ..	3 3	- 2 2	21	1	29	•	•	•	•
p Rothesay	170	55	17th	38	17th	52·3	42·0	46·8	- 3·3	5	1·47	37	+ 20	Rothesay ..	3·6	—	23	0	35	48·7	•	46·3	-1·0
a Kilmarnock	90	61	13th	31	16th	56·6	42·6	49·2	- 0·3	4	0·94	24	+ 10	Kilmarnock ..	4·1	—	26	•	•	49·0	•	45·9	•
a Colmonell	170	65	17th	31	16th	58·4	44·6	51·1	+ 1·5	5	0·47	12	- 3	Colmonell ..	•	•	•	1	28	•	•	•	•
p Cally, Gatehouse ..	120	60	17th	35	16th	55·7	42·9	48·9	- 0·6	5	1·40	36	+ 18	Dumfries ..	2·6	—	16	1	27	50·7	•	47·6	•
a Dumfries	160	60	17th	36	16th	55·6	43·4	49·1	- 1·4	5	1·64	42	+ 27	Eskdalemuir ..	3 2	—	20	2	25	•	•	•	•
a Eskdalemuir	794	56	13th	32	16th	51·4	40·0	45·4	—	5	1·54	39	—										
b, I. OF MAN *p* Douglas	277	58	19th	38	16th	54·6	43·9	48·9	- 1·0	6	0·74	19	+ 5	Douglas	3·3	- 4·3	21	0	34	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	68	14th	37	16th	53 9	42·0	47·6	- 0·7	5	1·02	26	+ 13										
a Tynemouth	71	66	13th	41	13, 16, 17	51·4	43·0	47·0	- 1·1	6	1·42	36	+ 25	Cockle Park ..	3·2	- 2·7	20	0	33	48·1	-2·1	45·4	-1·4
p Durham	336	69	14th	39	17th	55·1	42·3	48·3	- 0·3	6	2 56	65	+ 54	Durham ..	3·7	- 1·7	23	0	36	•	•	•	•
a North .. *p* Rounton	249	71	14th	40	17th	57·7	43 3	50·1	+ 1·8	5	0·38	10	- 2	Rounton ..	•	•	•	0	36	50·0	•	•	•
a West Witton	605	67	14th	39	17th	54 3	43·4	48·5	—	4	1·34	34	—	West Witton ..	•	•	•	0	37	50·2	•	43·7	•
p Scarborough	100	67	13th	40	16th	54·9	42·6	48·4	- 0·8	6	0·84	21	+ 10	Scarborough† ..	2·9	- 3·3	18	•	•	•	•	44·2	•
p York	56	71	14th	39	17th	60·9	45·6	52·8	+ 1·8	4	0·81	21	+ 10	York	3·3	- 2·2	21	•	•	51·2	0·0	47·0	-0·6
a Spurn Head	26	67	13th	43	16, 17	54·6	45·3	49·7	0·0	3	0·39	10	+ 1	Spurn Head ..	3·2	—	20	•	•	•	•	•	•
b, South .. *a* Lincoln	58	73	14th	42	17th	—	46 9	—	—	4	0·83	21	+ 10	Lincoln	•	•	•	•	•	55·1	+2·9	46·9	-1·0
a Fulbeck	180	74	14th	42	16, 17	62·1	46·6	53·9	+ 2·7	6	0·85	22	+ 11	Rauceby ..	3·8	- 2·8	24	0	? 41	54·7	- 0·4	47·6	-0·1
														Skegness ..	3·1	- 3·7	20	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	73	14th	42	17th	59·9	45·9	52·5	+ 2·0	4	0·37	10	+ 1	Cromer	3·0	- 3·6	19	•	•	•	•	•	•
p Little Massingham ..	280	77	14th	41	16, 17	64·0	46·4	54·7	+ 3·6	2	0·44	11	- 1	Lit. Massingham	3·6	- 2·9	23	0	40	•	•	•	•
a Yarmouth	13	74	14th	43	17th	58·7	46·7	52·3	+ 2·1	3	0·43	11	+ 1	Yarmouth ..	2·3	—	15	0	43	55·0	-0·9	51·0	-0·7
a Norwich	93	78	13th	43	17th	63 7	49·9	56·4	+ 4·6	3	0·61	15	+ 4	Norwich ..	3·1	—	20	0	42	54·6	•	•	•
a Geldeston	37	79	15th	42	18, 19	63·7	47 7	55·2	+ 4·2	3	0·42	11	+ 1	Geldeston ..	3·2	- 3·8	21	•	•	•	•	•	•
p Cambridge	41	77	13, 14	41	17th	65·7	49·1	56·9	+ 4·7	3	0 97	25	+ 15	Cambridge ..	3·5	- 3·0	23	0	40	55·3	-1·3	49·8	-0·8
a Clacton-on-Sea ..	54	66	15th	43	17th	58·1	48·6	53·1	+ 2·0	3	0 84	21	+ 13	Clacton	3·6	- 3·9	23	0	42	53·7	- 0·1	50·0	-1·1
a Rothamsted	424	73	13, 14	41	17th	62·1	47·3	54·3	+ 3 1	5	1·01	26	+ 15	Rothamsted ..	3·4	- 3·0	22	0	40	52·7	•	•	•
p Tottenham	51	76	13, 14	44	17–19	64·6	48·3	56 0	+ 4·2	4	1·12	28	—	Tottenham ..	3·1	—	20	0	42	•	•	50·8	+0·4
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	67	13, 14	38	17th	56·6	43·1	49·5	+ 0·4	4	1·52	39	+ 26	Harrogate ..	3·2	- 2 7	20	0	35	49·1	+0·1	47·2	+0·1
p Sheffield	429	72	14th	40	17th	59·8	-5·7	52·3	—	5	0·81	21	—	Sheffield.. ..	3·8	- 1·8	24	0	40	50·5	- 0·2	45·2	-1·0
p Buxton	987	67	13th	38	17th	57·7	44·4	50·7	+ 3·5	5	0·65	16	- 3	Buxton	3·9	—	25	0	37	51·3	+0·2	44·6	-1·1
a Bawtry	65	73	13th	39	17th	62 0	45·6	53·3	+ 2·0	3	0·86	22	+ 11	Worksop ..	3·0	- 2·5	19	0	40	52·7	•	48·5	•
a Nottingham	82	73	13th	41	17th	60·9	46·3	53·2	+ 1·7	4	0 75	19	+ 7	Nottingham ..	3·6	- 2·4	23	0	40	52·2	-0·6	46·9	-1·3
b, East .. *p* Birmingham, Edgbn.	535	71	13th	40	17, 18	61·1	46 6	53·4	+ 1·9	4	0·83	21	+ 8	Birmingham ..	3·2	- 1·8	21	0	40	49·4	+0·1	45·5	- 0·8
a Raunds	203	77	13th	41	17th	63·4	47 9	55·2	+ 3·2	5	0·84	21	+ 7	Raunds	•	•	•	0	36	52·4	•	46·5	•
p Oxford	208	75	13th	42	17th	62 6	48·1	54·9	+ 2·4	3	0 76	19	+ 7	Oxford	3·5	- 2·9	23	0	39	•	•	•	•
a Cheadle (N. Staffs.) ..	646	71	13, 14	39	17th	60·1	46·0	52·6	+ 2·5	4	1 09	28	+ 14	Cheadle	•	•	•	0	39	•	•	•	•
c, West .. *p* Shrewsbury	191	70	13th	41	17th	61·1	47·0	53·6	+ 2·2	6	0·66	17	+ 7	Shrewsbury ..	•	•	•	0	33	•	•	•	•
a Hereford§	291	71	13th	40	17th	60·1	45·1	52·2	+ 0·2	3	0·70	18	+ 5	Malvern§ ..	3·5	—	23	0	37	54·9	•	50·6	•
a Clifton	229	76	13th	42	17th	61·6	47·7	54·2	+ 0·4	3	0·45	11	- 5	Clifton	3·4	—	22	0	39	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	75	13th	39	17th	61·0	45·1	52·6	+ 1·8	2	0·38	10	- 2	Worthing ..	3·0	- 4·7	20	0	41	56·0	+0·6	50·6	-0·3
p Salisbury (Wilton) ..	180	75	13th	37	17th	63·6	45·9	54·2	+ 1 7	2	0 17	4	- 9	Marlborough ..	3·3	- 2 8	21	0	32	55·1	•	49·1	•
a Wisley, Surrey ..	150	79	13th	41	18th	65·1	48·1	56·1	+ 3·9	4	0·62	16	+ 7	Salisbury	•	•	•	0	36	56·5	•	•	•
a Tunbridge Wells ..	354	76	13th	40	17th	64 6	48·4	56·0	+ 4·1	6	1·40	36	+ 24	Wisley	2·9	- 3·9	19	1	28	53·8	-0·3	48·8	-1·6
a Margate	53	73	13th	41	16, 17	63·4	48·4	55·5	+ 3 2	4	0·59	15	+ 5	Tunbridge Wells	2 7	- 4·3	18	0	35	54 9	-0·3	49·7	•
														Margate	2 1	- 4 7	14	0	40	55·6	+2·6	51·1	+1·5
a Dungeness	21	63	14th	43	17th	57·0	48·6	51·5	- 0·2	4	0·87	22	+ 14	Dover	2·4	—	16	0	36	•	•	•	•
p St. Leonards	178	67	13th	42	17th	60·0	46·4	52·8	+ 0·5	6	0·79	20	+ 10	St. Leonards ..	2·6	- 5·1	17	0	41	56·1	•	49·8	•
p Southampton	64	71	13, 14	42	17th	63·1	48·4	55·3	+ 1·3	4	0·24	6	- 6	Southampton ..	3·3	- 3·8	22	0	37	•	•	•	•
a Ventnor	59	67	14th	42	17th	60·3	47 6	53·6	+ 0·4	4	0·14	4	- 6	Ventnor	4 4	- 3 0	29	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	75	13th	43	17th	63·5	48·9	55·8	+ 1·3	4	0·97	25	+ 15	Richmond ..	2 9	- 3·7	19	0	37	54·9	+0·9	48·9	-0·7
a Westminster	27	77	13th	44	17th	66·0	52·0	58·6	+ 3·4	4	0·98	25	+ 15	Westminster ..	3 0	- 2 7	19	0	42	•	•	•	•
a Greenwich	155	80	13, 14	42	17th	67·3	49·3	57·8	+ 4·9	4	1·05	27	+ 17	Greenwich ..	2 8	- 3·2	18	0	35	•	•	•	•
a Hampstead	450	75	13th	40	17th	62 8	47·5	54·7	—	4	0·97	25	—	Hampstead ..	3·5		23	0	32	•	•	•	•
a Camden Square ..	110	80	13th	44	18th	67·3	52·3	59·4	+ 3·2	4	0·90	23	+ 12	Camden Square	3·0	- 2·8	19	0	40	•	•	•	•
7. *a*, ENGLAND, N.W.																							
a Aspatria (Mealsgate)	487	62	13th	32	16th	55·6	41·0	47·9	- 1·8	5	0·57	15	+ 1	Aspatria.. ..	3·3	- 3·1	21	1	30	49·5	•	45·9	•
p Newton Rigg	558	63	13th	33	17th	57·4	42·7	49·6	+ 0·4	3	0 64	16	+ 3	Newton Rigg ..	3·8	- 2·8	24	2	26	51·1	-0·1	46·0	-0·7
p Stonyhurst	377	68	13th	40	17th	58·6	46·0	51·9	+ 1·6	3	0·47	12	- 4	Stonyhurst ..	3·3	- 3 0	21	0	36	•	•	•	•
p Blackpool	66	68	13th	38	16th	59·4	46·1	52·4	+ 1·9	5	0 62	16	+ 4	Blackpool ..	2·5	- 5·0	16	1	29	51·2	•	46·7	•
a Southport	37	71	13th	38	17th	60·6	46·4	53·1	+ 2·1	4	0·91	23	+ 11	Southport ..	2·9	- 4 4	18	1	29	53·8	-1·2	49·8	-1·5
														Hoylake ..	2·4	- 4·3	15	•	•	•	•	•	•
a Liverpool (Eidston) ..	188	71	13th	41	17th	59·6	46·7	52·8	+ 1·2	5	1·02	26	+ 15	Liverpool ..	2·7	—	17	0	35	•	•	•	•
a Hawarden Bridge ..	22	72	13th	40	17th	62·1	47·4	54·3	+ 2·2	6	0·81	21	+ 11	Manchester (City)	2·4	- 3·0	15	0	38	51·8	+0·2	48·3	+0·1
p Manchester (Whit. Pk.)	126	73	13th	42	17th	60·9	48·6	54·4	+ 2·0	5	0·96	24	+ 12	Whitworth Park	2·5	- 2·8	16	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	71	67	13th	39	17th	58·3	46·3	51·9	+ 0·3	3	0·24	6	- 5	Llandudno ..	2·4	- 4·9	15	•	•	•	•	•	•
a Holyhead	15	61	13th	40	17th	55·9	45·0	50·1	- 0·6	4	0 63	16	+ 5	Holyhead ..	2·7	—	17	0	35	•	•	•	•
p Bettws-y-Coed ..	148	72	13th	36	17th	60·4	45·0	52·2	+ 1·5	5	0·14	4	—	Bettws-y-Coed.	1·8	—	11	•	•	50·4	-0·4	46·7	-1·0
p Aberdovey	22	68	13th	40	16th	59·0	47·1	52·7	—	3	0·18	5	—	Aberdovey ..	2·2	- 4 7	14	•	•	•	•	•	•

† Earth temperatur 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F	°F	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	66	13th	42	17th	56·4	47·7	51·8	—	4	0·18	5	—	Aberystwyth ..	1·6	- 5·0	10	*	*	*	*	*	*
a Rhayader	757	69	13th	38	17th	57·3	43·9	50·2	—	4	0·13	3	—	Rhayader ..	1·2	—	8	0	36	*	*	*	*
a St. Ann's Head	149	58	19th	41	17th	53·7	45·6	49·4	- 1·3	4	0·33	8	- 3	St, Ann's Head	3·0	- 4·3	19	*	*	*	*	*	*
p Cardiff	202	72	13th	41	17th	58·9	46·9	52·5	+ 0·4	3	0·25	6	- 8	Cardiff	2·4	—	16	0	33	55·0	+1·0	49·7	+0·3
b, ENGLAND, S.W.																							
a Bath	66	74	13th	39	17th	62·1	47 0	54·1	+ 1·4	2	0·29	7	- 3	Bath	*	*	*	*	*	55·7	+0·8	50·7	-0·7
a Shaftesbury	722	71	13th	37	17th	60·0	44·9	52·0	+ 0·8	3	0·18	5	- 7	Shaftesbury ..	*	*	*	*	*	54·5	*	50·0	*
a Arlington	613	68	13th	39	17th	58·4	45·4	51·5	+ 0·8	1	0·06	2	- 14										
a Newquay	190	63	13th	42	19th	57·3	46·6	51·6	- 0·5	5	0·21	5	- 4	Newquay ..	4·8	- 2·6	31	*	*	55·0	*	50·1	*
a Cullompton	202	68	13th	44	14th	62·0	47·3	54·2	+ 1·6	1	0·02	1	- 11	Cullompton ..	3·4	- 3·3	22	0	39	56·3	*	*	*
a Portland Bill	12	60	19th	42	17th	54·7	46·1	50·1	- 1·8	2	0·05	1	- 8	Weymouth ..	4·0	—	26	*	*	*	*	*	*
p Plymouth	116	68	13th	45	17th	58·6	49·0	53·5	+ 0·3	2	0·42	11	0	Plymouth ..	5·5	- 1·8	36	0	43	56·7	+1·3	51·4	*
a Falmouth	167	64	14th	46	14, 18	57·1	47·7	52·1	- 0·2	3	0·33	8	- 4	Falmouth ..	4·9	- 2·9	32	0	36	56·8	*	53·1	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	59	13th	37	17th	51·3	43·1	47·0	- 2·3	5	0·99	25	+ 14	Malin Head ..	4·6	—	29	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	62	19th	43	18, 19	54·4	45·3	49·6	- 1·0	3	0·28	7	- 8	Markree Castle	4·4	- 1·8	28	1	27	53·5	*	48·3	*
{ *p* Markree Castle ..	122	66	19th	38	17th	59·3	45·3	51·9	+ 2·1	4	0·31	8	- 7										
b, East .. { *p* Armagh	196	63	13th	37	17th	56·9	44·3	50·2	0·0	4	0·79	20	+ 7	Armagh	2·6	- 3·5	16	0	31	50·7	-2·5	47·8	-1·6
{ *a* Donaghadee	101	59	13th	40	16, 17	53·0	43·9	48·2	- 1·6	5	0·75	19	+ 7										
10. IRELAND, S.																							
p Dublin, City	47	66	13th	43	17th	57·3	47·0	51·8	- 0·6	4	0·76	19	+ 8	Dublin City ..	*	*	*	0	40	*	*	*	*
a Birr Castle	175	61	19th	44	16, 17	57·3	46·9	51·3	+ 0·9	3	0·71	18	+ 6	Trinity Coll. ..	*	*	*	0	35	52·7	-0·2	49·6	-0·4
a Kilkenny	212	60	18, 19	41	16th	57·3	47·4	52 1	+ 0·7	2	0·27	7	- 5	Phœnix Park ..	2·4	- 4·5	15	1	29	*	*	*	*
a Waterford	20	61	14, 19	46	16–18	58·4	48·6	53·2	+ 1·1	4	0·45	11	- 2	Birr Castle ..	1·7	- 4·5	11	0	39	*	*	*	*
a Seskin, Carrick-on-Suir	541	61	14th	41	16th	55·6	45·4	50·2	—	4	0·61	15	—	Seskin	2·4	—	15	0	32	*	*	*	*
a Cahir	199	61	14th	43	16th	57·6	47·4	52·2	+ 0·9	2	0·47	12	—										
a Foynes	50	62	19th	41	17th	57·7	46·6	51·8	- 0·3	3	0·33	9	- 4										
a Cahirciveen (Val. Obs.)	30	62	19th	47	16th	58·0	49·6	53·6	+ 1·5	3	0·24	6	- 12	Cahirciveen ..	3·9	- 3·0	25	0	42	*	*	*	*
a Killarney	174	63	19th	46	18th	59·9	49·2	54·2	+ 2·2	3	0·14	4	- 13	Ballinacurra ..	2·8	- 4·2	18	*	*	*	*	*	*
a Roche's Point	32	61	14th	47	15, 18	55·6	49·0	52·1	+ 0·3	4	0·30	8	- 5										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	61	13th	46	18th	57·0	49·0	52·8	+ 0·3	2	0·24	6	- 3	Scilly	4·4	- 2·9	29	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	66	13, 19	45	13, 17	60·4	47·7	53·7	- 0·4	3	0·51	13	+ 3	St. Heliers ..	4·8	- 2·9	32	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	66	13, 19	45	17th	60·4	48·9	54·3	+ 0·2	5	0·26	7	- 2	Guernsey† ..	6·6	- 1·4	44	0	41	57·1	+1·8	52·4	+0·6

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 19th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s Dur-ation.	No Record. Dur-ation.	Extreme Velocities, Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr	hr.	hr.	hr.	hr.		m/s. day. hr.	m/s.	d. h. m.
0. SCOTLAND, N															
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	93	56	19	0	SE. by E.	10 12 17	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	1	113	54	0	—	6 19 11	12	15 11 5
Aberdeen	153	105	52	—	—	—	—	13	128	27	0	NW. by W.	8 14 13	12	15 7 25
Edinburgh	485	39	31	—	—	13	2	22	126	18	0	SSW.	12 13 20	19	13 21 40
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	15, 17, 18	12	108	41	7	0	NE. by E.	14 18 10	19	18 9 30
Paisley	188	81	52	—	—	—	—	31	106	31	0	E.	8 17 15	18	18 12 50
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	19	92	57	0	N.	8 15 10	15	15 5 0
South Shields	72	61	12	—	—	—	—	17	117	34	0	W.	7 13 13	13	13 12 45
Spurn Head	66	40	‡	—	—	17	2	87	65	10	4	—	12 17 22	15	17 21 40
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	17	12	40	94	22	0	ENE.	14 17 15	—	— — —
Shoeburyness	103	90	‡	—	—	—	—	61	101	6	0	E. by N.	9 16 16	13	16 16 10
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	16	108	44	0	ENE.	8 18 12	12	18 12 10
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	16	3	42	48	64	11	—	12 16 11	15	16 10 30
Warlingham	642	33	‡	—	—	—	—	—	102	66	0	—	5 18 15	16	18 15 5
Brighton	261	53	6	—	—	—	—	27	98	43	0	—	8 18 19	14	18 13 25
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	23	108	37	0	E. by N.	7 18 12	12	15 16 40
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	Record defective.		—	—	—	—	—	— — —	—	— — —
Fleetwood (Cup Anr.) ..	109	44	—	—	—	17	1	50	106	11	0	NE. by E.	11 17 19	—	— — —
Southport	80	62	48	—	—	17	2	87	73	6	0	E. by N.	12 17 14	18	17 13 30
Holyhead	60	40	‡	—	—	13, 16 to 18	31	98	32	7	0	ENE.	14 17 9	18	18 14 50
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	18	14	35	60	59	0	ENE.	15 18 10	20	18 10 30
Plymouth	185	88	2	—	—	—	—	7	95	66	0	—	8 18 11	15	18 9 30
Lyme Regis	556	61	‡	—	—	—	—	3	53	112	0	—	6 17 5	10	18 12 15
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	15, 17, 18	11	100	55	2	0	ENE.	14 17 20	—	— — —
Quilty	100	40	‡	—	—	19	2	101	63	2	0	—	11 19 14	15	19 14 0
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	83	72	13	0	ESE.	9 17 13	16	19 15 10
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	— — —	—	— — —
11. ENGLISH CHANNEL.															
Scilly..	150	32	‡	—	—	—	—	24	81	63	0	E.	9 18 11	14	18 10 55

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTIETH WEEK of 1917—May 13th to May 19th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	31	84·7	78·4	81·4	0·0	37	— 8	1	— 4	2	— 2	0·18	5	— 11	6·6	+0·9	40	1025
Eastern.																			
1. SCOTLAND, EAST ...	64	26	85·1	77·2	80·9	— 1·0	40	— 11	7	+ 1	3	— 1	0·43	11	— 2	4·6	−1·3	28	1027
2. ENGLAND, N.E.	76	37	86·5	79·6	82·8	+ 0·2	54	0	0	— 2	5	+ 2	1·01	26	+ 15	3·3	−2·8	21	1028
3. ENGLAND, EAST ...	79	41	89·8	81·8	85·6	+ 1·9	88	+ 20	0	— 2	3	0	0·69	18	+ 7	3·2	−3·4	21	1028
4. MIDLAND COUNTIES ...	77	38	89·1	80·9	84·8	+ 1·1	78	+ 9	0	— 3	4	+ 1	0·85	22	+ 9	3·4	−2·6	22	1029
5. ENGLAND, S.E.	79	37	89·8	81·6	85·4	+ 1·2	86	+ 10	0	— 1	4	+ 1	0·62	16	+ 5	3·0	−4·1	19	1029
Western.																			
6. SCOTLAND, WEST ...	65	31	85·9	79·3	82·4	— 0·5	48	— 12	0	— 3	5	+ 1	1·10	28	+ 11	3·3	−3·2	21	1029
7. ENGLAND, N.W.	73	32	87·9	80·6	84·1	+ 0·7	69	+ 6	0	— 1	4	+ 1	0·58	15	+ 2	2·7	−3·9	17	1031
8. ENGLAND, S.W.	74	37	87·5	81·1	84·1	0·0	69	— 2	0	— 1	3	0	0·22	5	— 7	3·5	−3·4	23	1031
9. IRELAND, NORTH ...	66	37	86·0	80·1	82·9	— 0·2	55	— 3	0	— 1	4	0	0·64	16	+ 3	3·5	−2·7	22	1032
10. IRELAND, SOUTH ...	66	41	87·3	81·9	84·4	+ 0·4	74	+ 5	0	— 1	3	0	0·41	10	— 4	2·7	−4·1	17	1033
11. ENGLISH CHANNEL ...	66	45	88·2	82·2	85·0	+ 0·2	81	+ 2	0	0	3	0	0·34	9	— 1	5·3	−2·5	35	1031

THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, March 4th to May 19th, 1917.

0. SCOTLAND, NORTH ..	69	11	80·5	74·4	77·3	— 1·5	149	−123	330	+116	55	+ 5	7·52	192	— 35	3·6	−0·6	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	72	−2	80·9	73·3	77·0	— 2·0	189	−137	407	+169	43	— 2	5·58	143	+ 2	4·0	−0·6	29	1013
2. ENGLAND, N.E.	76	7	82·0	74·5	78·0	— 1·8	247	−104	320	+154	43	+ 3	4·99	129	+ 19	4·3	−0·7	32	1014
3. ENGLAND, EAST ...	79	17	82·8	74·6	78·6	— 1·7	318	−120	310	+144	37	0	4·68	119	+ 13	4·6	−0·7	34	1014
4. MIDLAND COUNTIES ...	77	9	83·6	74·5	78·8	— 1·5	356	— 99	310	+125	36	0	5·25	134	+ 17	4·3	−0·4	32	1014
5. ENGLAND, S.E.	79	18	83·7	75·4	79·4	— 1·6	362	−108	246	+127	37	+ 1	5·03	129	+ 15	5·0	−0·3	37	1015
Western.																			
6. SCOTLAND WEST ...	71	11	82·1	74·8	78·3	— 1·6	257	−105	288	+132	42	— 3	6·44	164	— 37	4·3	−0·5	32	1014
7. ENGLAND, N.W.	77	5	82·5	75·2	78·7	— 1·5	290	— 89	265	+133	39	— 1	5·81	149	+ 3	4·7	−0·2	35	1014
8. ENGLAND, S.W.	76	18	83·6	75·9	79·6	— 1·3	355	— 82	201	+101	39	0	6·12	154	— 9	5·9	+0·6	44	1015
9. IRELAND, NORTH ..	74	19	82·6	75·7	79·0	— 1·4	287	— 98	207	+ 83	45	— 5	5·66	145	— 21	3·9	−0·7	29	1015
10. IRELAND, SOUTH ...	77	20	84·3	76·5	80·2	— 0·9	410	— 56	170	+ 78	41	— 2	5·14	132	— 44	4·7	−0·4	35	1016
11. ENGLISH CHANNEL ...	76	29	84·1	77·9	80·8	— 1·3	409	−115	114	— 87	40	— 1	5·71	145	+ 13	6·4	+0·2	48	1015

THE YEAR 1917—Aggregates, &c., for the Period of 20 Weeks, December 31st, 1916, to May 19th, 1917.

0. SCOTLAND, NORTH ..	69	10	79·4	73·9	76·6	— 1·1	180	−151	684	+ 150	92	— 4	13·32	339	−163	2·6	−0·4	24	1014
Eastern.																			
1. SCOTLAND, EAST ...	72	−2	79·3	72·7	75·9	— 1·7	210	−179	881	+ 269	74	— 7	9·09	234	— 34	3·0	−0·4	27	1015
2. ENGLAND, N.E.	76	5	79·7	73·6	76·6	— 1·7	281	−152	781	+ 310	76	+ 2	8·86	227	+ 28	2·9	−0·8	26	1015
3. ENGLAND, EAST ...	79	5	80·2	73·7	76·8	— 1·8	351	−178	786	+ 293	70	— 2	7·48	191	— 4	3·1	−0·8	27	1015
4. MIDLAND COUNTIES ...	77	4	80·5	73·3	76·8	— 1·8	392	−164	831	+ 310	64	— 7	8·22	211	— 12	2·8	−0·7	25	1015
5. ENGLAND, S.E.	79	4	80·8	74·2	77·4	— 1·9	404	−183	693	+ 314	61	— 9	7·55	193	— 35	3·5	−0·5	31	1015
Western.																			
6. SCOTLAND, WEST ...	71	11	80·2	74·1	77·1	— 1·5	289	−159	663	+ 248	71	−16	10·80	275	−151	3·0	−0·4	27	1016
7. ENGLAND, N.W.	77	5	80·2	74·1	77·1	— 1·8	330	−141	703	+ 321	66	−11	9·57	245	— 49	3·3	−0·2	29	1016
8. ENGLAND, S.W.	76	4	80·9	74·6	77·7	— 1·9	415	−166	619	+ 318	63	−14	9·37	236	−104	4·2	+0·3	37	1016
9. IRELAND, NORTH ...	74	7	80·8	74·9	77·8	— 1·4	357	−152	536	+ 197	79	−15	9·98	255	— 83	2·9	−0·5	26	1015
10. IRELAND, SOUTH ...	77	9	81·9	75·3	78·5	— 1·5	507	−141	501	+ 241	73	−11	9·61	246	— 62	3·5	−0·3	31	1017
11. ENGLISH CHANNEL ...	76	22	81·8	76·8	79·3	— 1·8	514	−227	347	+ 242	69	−14	9·66	245	— 37	4·5	−0·1	40	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : May 24th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

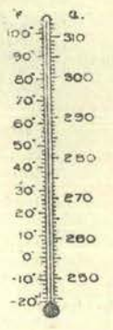
FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 21.

THE TWENTY-FIRST WEEK OF 1917.
SUNDAY, MAY 20TH, TO SATURDAY, MAY 26TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

During the whole week an anticyclone lay to the east or south-east of the British Isles while pressure was relatively low over the Atlantic. The Southerly winds associated with this pressure distribution were for the most part light. Mean temperature was consequently high over the whole country; for five districts it is classed in Table III. as "very unusual." The greatest excess was felt in the Midland Counties with a mean of 288 a., 3·6 a. above normal. In the extreme north the mean reached 284·4 a. or 2·0 a. above normal. Saturday, May 26th, proved to be the warmest day in all districts except Ireland, where the date was more variable. Day temperature ranged up to 297 a. in most districts, and as far north as Nairn and Gordon Castle a temperature of 296 a. was recorded. The highest value reached was 300 a. at Camden Square.



High night minima were also experienced at many stations, 287 a. at Crathes ~~(in Cardine)~~ on the night of the 25th and 287·5 a. at several stations further south. Sea temperature remained a little below normal generally, but in South-West Ireland it was in excess. Thunderstorms were experienced at stations in the South-East and East of England on the 20th and 21st and over a much wider area on the 26th. In some cases heavy rain was reported with the storms, the largest fall in one day being 35 mm. at St. Leonards on the 20th. There was a general excess of rain in the West and South of the country, 300 per cent. of the normal falling in Ireland, but in the North-East the falls were light.

Bright sunshine was for the most part deficient, particularly in Scotland West, where the duration averaged only 2·5 hrs. against a normal of 6·5 hrs. per day.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	6	4·1	3	4·2	3	2·1	4	3·3	4	6·2	5	5·1	5	4·2	6	5·2
North	1	1·1	2	0·9	1	3·4	2	1·2	2	2·6	1	2·1	¼	0·4	¼	1·9
West	1	1·8	2	3·7	2	3·3	3	2·0	2	2·1	2	3·9	1	3·0	1	2·5
East	5	4·9	2	2·6	3	4·6	3	3·7	2	4·4	4	2·5	4	1·8	6	2·5
Calm	¼	—	2	—	2	—	1	—	1	—	0	—	2	—	¼	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Unusual
Rainfall ...	Light	Light	Light	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Very heavy	Very heavy	Heavy
Sunshine ...	Scanty	Very scanty	Moderate	Moderate	Scanty	Moderate	Very scanty	Scanty	Scanty	Very scanty	Very scanty	Scanty

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 12 weeks from March 4th, 1917. Warmth ...	1, 4, 7	2, 2, 8	2, 2, 8	3, 2, 7	3, 4, 5	3, 3, 6	2, 3, 7	2, 5, 5	2, 5, 5	2, 6, 4	3, 5, 4	3, 2, 7
Rainfall ...	3, 4, 5	3, 7, 2	5, 3, 4	6, 3, 3	4, 6, 2	5, 4, 3	4, 5, 3	3, 6, 3	5, 3, 4	3, 6, 3	2, 5, 5	5, 5, 2
Sunshine ...	3, 4, 5	2, 4, 6	0, 8, 4	2, 6, 4	2, 6, 4	3, 5, 4	2, 4, 6	4, 5, 3	4, 5, 3	1, 6, 5	2, 7, 3	2, 5, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(11586—19.) Wt. 153—442. 450. 6/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick..	54	66	26th	44	20, 25	54·4	45·9	49·9	+ 4·2	0	0·00	0·1	- 10										
p Deerness	160	60	26th	43	20th	53·9	46·1	49·8	—	0	0·00	0	- 9	Deerness ..	5·9	+ 0·2	35	•	•	•	•	•	•
a Stornoway	51	64	23, 24	43	23rd	59·6	46·4	52·6	+ 4·5	5	0·68	17	+ 5	Stornoway ..	3·0	- 3·2	18	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	•	•	•	•	•	•	•	•	•
b, Mainland. *a* Wick	81	61	22nd	44	20–22	54·9	45·1	49·7	+ 2·1	1	0·04	1	- 9	Fort Augustus..	2·3	- 2·2	14	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	67	23, 25, 26	41	23rd	62·1	44·6	52·8	+ 4·3	2	0·22	6	- 15										
p Fort Augustus.. ..	68	70	23, 26	41	23rd	63·0	46·1	54·0	+ 4·7	4	0·08	2	- 9										
p Fort William	171	68	26th	43	23rd	64·1	48·3	55·7	+ 5·0	4	0·29	7	- 11										
1. SCOTLAND, E.																							
a Nairn	82	73	25th	40	21st	64·1	44·9	53·9	+ 4·1	3	0·06	2	- 8	Nairn	3·5	—	21	•	•	•	•	•	•
p Gordon Castle.. ..	101	73	25th	44	20, 23	67·1	47·4	56·7	+ 6·6	0	0·00	0	- 11	Gordon Castle..	3·8	—	23	•	•	•	•	•	•
a Aberdeen	46	66	25, 26	43	21, 22	60·1	46·3	52·8	+ 3·5	1	0·12	3	- 9	Aberdeen ..	4·9	- 1·2	29	0	34	•	•	46·1	-0·6
a Balmoral	930	67	24th	33	23, 25	62·0	41·6	51·2	+ 3·7	0	0·00	0	- 12	Balmoral ..	•	•	•	0	31	•	•	•	•
p Crieff	432	69	26th	41	22, 23	60·6	44·4	52·0	+ 0·9	3	0·19	5	- 9	Crathes	2·9	- 2·8	17	0	34	51·0	-0·5	46·2	-1·2
a Dundee	244	68	[24, 26	38	23rd	60·9	45·7	52·8	—	1	0·01	0·2	- 11	Dundee	2·8	—	17	0	32	49·4	•	•	•
a Leith	18	65	24, 25	44	20, 21	59·6	45·7	52·2	+ 1·0	3	0·17	4	- 6	Leith	•	•	•	0	37	•	•	•	•
a Edinburgh	441	71	26th	43	20–22	60·1	47·1	53·2	—	3	0·13	3	- 7	Edinburgh ..	2·7	- 3·1	16	0	37	•	•	•	•
a West Linton	769	71	26th	36	23rd	60·4	44·6	52·0	+ 4·3	4	0·18	5	—	West Linton ..	1·7	—	10	1	29	•	•	•	•
p Marchmont	498	71	26th	43	20–23	61·7	46·7	53·8	+ 4·4	3	0·32	8	- 5	Marchmont ..	3·0	- 2·8	18	0	40	•	•	•	•
6. *a*, SCOTLAND, W																							
a Poltalloch	132	70	26th	—	—	62·0	—	—	—	3	1·29	33	+ 18										
p Glasgow Observatory	180	72	26th	45	20–23	61·7	48·9	54·9	+ 3·4	3	0·36	9	- 4	Glasgow.. ..	2·1	- 3·3	13	0	36	•	•	•	•
p Rothesay	170	68	26th	44	20–22	57·9	45·6	51·4	- 0·1	5	1·44	37	+ 22	Rothesay ..	1·7	—	10	0	37	49·9	•	47·2	-1·6
a Kilmarnock	90	75	26th	43	23rd	64·3	49·0	56·2	+ 5·3	*b*	0·42	11	- 1	Kilmarnock ..	2·2	—	13	0	40	51·1	•	47·0	•
a Colmonell	170	72	26th	47	23rd	63·9	51·0	57·1	+ 6·2	4	1·15	29	+ 16	Colmonell ..	•	•	•	0	44	•	•	•	•
p Cally, Gatehouse ..	120	71	26th	43	23rd	61·1	48·3	54·3	+ 3·4	6	0·99	25	+ 9	Dumfries ..	3·4	—	21	0	37	52·9	•	48·8	•
a Dumfries	160	74	26th	43	23rd	63·1	49·0	55·6	+ 3·6	3	0·65	16	+ 3	Eskdalemuir ..	2·2	—	13	0	34	•	•	•	•
a Eskdalemuir	794	71	26th	38	23rd	60·3	45·4	52·4	—	6	0·41	11	—										
b, I. OF MAN *p* Douglas	277	66	26th	46	22nd	59·0	49·1	53·8	+ 2·5	6	1·05	27	+ 15	Douglas	2·9	- 4·6	18	0	44	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	71	25th	42	23rd	63·4	46·9	54·7	+ 5·1	2	0·13	3	- 11										
a Tynemouth	71	68	25th	44	20, 21	59·7	47·9	53·5	+ 4·0	1	0·04	1	- 11	Cockle Park ..	5·1	- 0·9	31	0	37	51·7	-0·7	47·0	-1·4
p Durham	336	70	26th	43	22, 23	63·7	47·4	55·1	+ 5·1	1	0·10	3	- 9	Durham ..	5·1	- 0·4	31	0	37	•	•	•	•
a North .. *p* Rounton	249	74	26th	44	23rd	66·9	48 3	57·0	+ 7·3	2	0·08	2	- 11	Rounton ..	•	•	•	0	40	52·8	•	•	•
a West Witton	605	72	26th	47	20, 21, 23	65·1	49·3	56·7	—	2	0·21	5	—	West Witton ..	•	•	•	0	42	52·3	•	45·1	•
p Scarborough	100	70	26th	43	20, 21	60·7	47·7	53·8	+ 3·2	1	0·08	2	- 10	Scarborough† ..	6·4	+ 0·2	40	•	•	•	•	44·7	•
p York	56	75	26th	49	20th	68·3	52·0	59·7	+ 7·3	1	0·13	3	- 9	York	3·6	- 2·1	22	•	•	53·2	+0·5	48·3	-0·5
b, South .. *a* Spurn Head	26	70	25th	45	20th	60·9	49 7	55·0	+ 4·0	2	0·12	3	- 6	Spurn Head ..	4·1	—	25	•	•	•	•	•	•
a Lincoln	58	75	26th	50	20, 21	71·6	51·6	61·0	+ 7·9	3	0·16	4	- 8	Lincoln	•	•	•	•	•	58·3	+2·1	49·1	-0·3
a Fulbeck	180	75	26th	49	21, 25	68·1	51·4	59·3	+ 6·7	4	0·25	6	- 6	Rauceby	5·5	- 1·1	34	0	44	57·3	-0·6	49·1	-1·3
														Skegness ..	6·0	- 0·9	38	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	74	26th	45	20th	65·7	50·1	57·4	+ 5·4	2	0·21	5	- 4	Cromer	7·9	+ 1·2	49	•	•	•	•	•	•
p Little Massingham ..	280	76	26th	48	20, 21, 25	69·9	50·4	59·6	+ 6·9	3	0·14	4	- 8	Lit. Massingham	7·0	+ 0·4	44	0	47	•	•	•	•
a Yarmouth	13	72	25, 26	47	20, 21	63·3	49·6	56·0	+ 4·1	2	0·08	2	- 8	Yarmouth ..	7·9	—	50	0	45	56·1	-2·4	51·1	-2·3
a Norwich	93	73	26th	49	23rd	68·9	51·6	59·7	+ 6·4	3	0·11	3	- 8	Norwich ..	8·3	—	52	0	44	57·4	•	•	•
a Geldeston	37	72	25th	46	20, 23	67·7	48·4	57·5	+ 4·9	2	0·06	1	- 9	Geldeston ..	8·1	+ 1·0	51	•	•	•	•	•	•
p Cambridge	41	74	26th	48	25th	70·1	51·7	60·4	+ 6·6	2	0·28	7	- 4	Cambridge ..	5·7	- 1·0	36	0	40	57·7	+2·4	51·2	-0·8
a Clacton-on-Sea ..	54	64	20, 25	51	20, 23, 25	61·1	51·9	56·2	+ 3·5	3	0·14	4	- 4	Clacton	8·2	+ 0·6	52	0	43	55·7	+0·2	51·4	-1·2
a Rothamsted	424	74	26th	47	25th	68·1	50·3	58·7	+ 5·9	4	0·88	17	+ 5	Rothamsted ..	6·1	- 0·4	38	0	43	54·5	•	•	•
p Tottenham	51	76	26th	51	20, 23, 26	70·3	52·9	61·1	+ 7·7	3	1·00	25	—	Tottenham ..	6·1	—	38	0	47	•	•	52·4	+0·3
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	72	26th	45	20th	65·3	48·4	56·3	+ 5·9	1	0·13	3	- 11	Harrogate ..	4·4	- 1·3	27	0	42	52·0	+1·4	48·6	0·0
p Sheffield	429	74	26th	48	21st	66·1	51·4	58·3	—	4	0·42	11	—	Sheffield.. ..	4·2	- 1·2	26	0	45	52·3	0·0	46·5	-1·0
p Buxton	987	73	26th	45	23rd	64·3	49·1	56·2	+ 7·6	4	0·46	12	- 7	Buxton	4·6	—	29	0	39	53·4	+0·2	46·1	-0·8
b, East .. *a* Bawtry	65	75	26th	49	20, 23, 25	69·0	50·3	59·1	+ 6·4	2	0·19	5	- 6	Worksop ..	4·1	- 1·2	26	0	43	55·1	•	49·9	•
a Nottingham	82	76	26th	49	21st	68·4	51·9	59·2	+ 6·4	4	0·51	13	+ 1	Nottingham ..	4·9	- 0·8	31	0	46	56·4	+1·6	48·7	-1·1
p Birmingham, Edgbsn.	535	75	26th	49	22, 23	67·6	51·3	59·0	+ 6·2	3	0·63	16	+ 3	Birmingham ..	4·3	- 0·5	27	0	42	52·1	+1·4	48·4	-0·8
a Raunds	203	76	26th	48	25th	70·4	50·4	59·8	+ 6·5	3	0·83	21	+ 7	Raunds	•	•	•	0	39	54·1	•	48·1	•
p Oxford	208	78	26th	49	26th	70·0	51·9	60·4	+ 6·6	2	0·48	12	0	Oxford	5·2	- 1·0	33	0	43	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.) ..	646	74	26th	49	22–24	65·0	50·7	57·4	+ 6·0	3	0·86	22	+ 8	Cheadle	•	•	•	0	49	•	•	•	•
p Shrewsbury	191	77	26th	48	23rd	68·4	51·6	59 5	+ 6·8	5	0·47	12	+ 1	Shrewsbury ..	•	•	•	0	37	•	•	•	•
a Hereford§	291	76	26th	46	22nd	67·9	50·0	58·4	+ 5·1	4	0·82	21	+ 8	Malvern§ ..	5·1	—	32	0	39	57·1	•	51·6	•
a Clifton	229	79	26th	46	20th	69·9	52·1	60·5	+ 5·4	4	0·69	18	+ 2	Clifton	5·5	—	35	0	43	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	77	26th	38	20th	67·6	48·6	57·5	+ 5·2	4	1·11	28	+ 15	Worthing	6·8	- 0·8	43	0	44	57·5	0·0	51·7	-0·5
p Salisbury (Wilton) ..	180	77	26th	41	20th	68·9	48·1	57·9	+ 3·9	3	0·56	14	+ 1	Marlborough ..	5·0	- 1·0	32	0	34	56·5	•	50·2	•
a Wisley, Surrey ..	150	78	26th	46	23rd	69·0	51·0	59·5	+ 5·8	2	0·76	19	+ 9	Salisbury	•	•	•	0	40	58·0	•	•	•
a Tunbridge Wells ..	354	75	26th	47	25th	68·3	51·1	59·2	+ 5·8	3	1·39	35	+ 23	Wisley	6·0	- 0·7	38	0	37	56·1	+0·2	50·3	-1·6
a Margate	53	67	21, 23	48	20th	63·6	51·7	57·3	+ 3·5	2	0·08	2	- 8	Tunbridge Wells	6·7	- 0·2	43	0	37	56·8	-0·9	51·0	•
														Margate	7·0	+ 0·4	45	0	42	57·8	+2·3	52·8	+1·4
a Dungeness	21	68	22nd	46	20th	61·6	49·3	55·1	+ 1·9	4	0·79	20	+ 12	Dover	7·7	—	49	0	37	•	•	•	•
p St. Leonards	178	72	24th	49	20, 22, 25	64·9	51·7	57·9	+ 4·1	3	1·65	42	+ 32	St. Leonards ..	7·2	- 0·4	46	0	45	58·5	•	51·7	•
p Southampton	64	75	26th	49	20, 22, 23	67·4	51·3	58·9	+ 3·4	2	0·78	20	+ 8	Southampton ..	5·9	- 1·1	38	0	38	•	•	•	•
a Ventnor	59	67	20, 25, 26	47	22nd	63·0	50·6	56·4	+ 1·8	4	0·31	8	- 3	Ventnor	6·2	- 1·0	40	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	77	26th	49	23rd	70·2	52·5	60·8	+ 6·3	2	0·92	23	+ 12	Richmond	6·6	+ 0·1	42	0	40	57·7	+2·0	50·5	-0·5
a Westminster	27	77	26th	51	25th	70·7	54·0	61·9	+ 6·7	3	0·88	22	+ 12	Westminster ..	5·5	- 0·1	35	0	46	•	•	•	•
a Greenwich	155	77	26th	49	25th	71·6	51·6	61·0	+ 6·7	3	0·86	22	+ 12	Greenwich	6·2	+ 0·1	39	0	39	•	•	•	•
a Hampstead	450	74	26th	49	20, 25	68·2	50·9	59·0	—	3	0·83	21	—	Hampstead	6·3	—	40	0	38	•	•	•	•
a Camden Square ..	110	81	26th	51	23, 25	73·6	53·0	62·7	+ 6·5	3	0·74	19	+ 8	Camden Square ..	5·8	+ 0·1	37	0	47	•	•	•	•
7. *a*, ENGLAND, N.W.																							
⚓ Aspatria (Mealsgate)	487	73	26th	46	23rd	63·1	48·9	55·6	+ 4·5	4	0·38	10	- 2	Aspatria.. ..	3·5	- 2·8	21	0	42	51·8	•	46·9	•
p Newton Rigg	550	72	26th	47	23rd	64·0	50·0	56·6	+ 6·0	3	0·23	6	- 6	Newton Rigg ..	3·2	- 3·3	20	0	41	53·3	+0·2	47·4	-0·8
p Stonyhurst	277	75	26th	50	21, 25	65·4	51·9	58·3	+ 6·7	3	0·34	9	- 5	Stonyhurst ..	3·8	- 2·3	24	0	45	•	•	•	•
p Blackpool	66	76	26th	50	25th	66·1	52·6	59·0	+ 7·2	4	0·53	13	+ 2	Blackpool ..	3·6	- 3·7	22	0	42	54·1	•	47·7	•
a Southport	37	76	26th	49	23rd	66·4	51·6	58·6	+ 6·3	3	0·43	11	+ 1	Southport ..	4·8	- 2·3	30	0	41	57·4	+0·4	51·5	-1·4
														Hoylake ..	4·4	- 2·1	28	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	76	26th	50	20–23	65·4	51·7	58·1	+ 5·2	3	0·51	13	+ 3	Liverpool ..	4·5	—	28	0	42	•	•	•	•
a Hawarden Bridge ..	22	73	26th	46	23rd	66·1	52·7	59·0	+ 5·6	2	0·48	12	+ 3	Manchester (City)	4·1	- 1·3	25	0	49	55·2	+1·5	49·9	+0·2
p Manchester (Whit. Pk.)	125	78	26th	53	20, 22–24	69·1	53·9	61·0	+ 7·3	3	0·31	8	- 3	Whitworth Park	4·8	- 0·3	30	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	71	76	26th	46	20th	63·9	50·4	56·8	+ 3·9	4	0·23	6	- 4	Llandudno ..	4·1	- 3·0	26	•	•	•	•	•	•
a Holyhead	15	75	26th	42	20th	62·0	47·7	54·4	+ 2·6	4	1·10	28	+ 18	Holyhead ..	3·8	—	24	0	41	•	•	•	•
p Bettws-y-Coed ..	148	78	26th	46	23rd	67·0	51·0	58·5	+ 6·5	3	0·30	8	—	Bettws-y-Coed.	4·0	—	25	•	•	53·7	+1·4	47·9	-0·8
p Aberdovey	22	76	26th	48	20th	66·0	52·1	58·6	—	3	0·84	21	—	Aberdovey ..	3·0	- 3·7	19	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	79	26th	45	20th	64·0	50·9	57·1	—	3	0·87	22	—	Aberystwyth ..	3·6	− 2·7	23	*	*	*	*	*	*
a Rhayader	757	73	26th	42	23rd	63·7	48·7	55·8	—	3	1·15	29	—	Rhayader ..	3·1	—	19	0	38	*	*	*	*
a St. Ann's Head	149	67	26th	47	23rd	59·1	49·0	53·8	+ 2·0	4	2·13	54	+ 43	St. Ann's Head	4·7	− 2·3	30	*	*	*	*	*	*
p Cardiff	202	78	26th	47	20th	67·9	50·4	58·6	+ 5·3	4	0·98	25	+ 11	Cardiff	6·0	—	38	0	33	56·6	+0·6	50·5	−0·4
b, ENGLAND, S.W.																							
a Bath	66	78	26th	42	20th	69·1	50·6	59·3	+ 5·5	3	0·53	13	+ 2	Bath	*	*	*	*	*	57·3	+0·6	51·9	−0·9
a Shaftesbury	722	74	26th	47	23rd	64·6	50·4	57·1	+ 4·8	3	0·76	19	+ 7	Shaftesbury ..	*	*	*	*	*	55·7	*	51·1	*
a Arlington	613	76	26th	45	20th	66·1	50·3	57·7	+ 5·9	4	1·26	32	+ 15										
a Newquay	190	68	26th	43	20th	61·3	50·4	55·5	+ 2·4	5	2·03	52	+ 42	Newquay ..	5·4	− 1·7	35	*	*	55·9	*	51·1	*
a Cullompton	202	78	26th	45	20, 22	68·7	48·1	57·8	+ 4·1	4	0·93	24	+ 12	Cullompton ..	6·1	− 0·3	39	0	33	57·1	*	*	*
a Portland Bill	19	65	20th	46	23rd	55·9	48·6	52·0	− 1·0	3	0·55	14	+ 5	Weymouth ..	5·1	—	33	*	*	*	*	*	*
p Plymouth	116	73	26th	48	20, 22, 23	62·7	51·0	56·5	+ 2·2	4	1·59	40	+ 28	Plymouth ..	4·2	− 2·8	27	0	43	57·4	+0·6	52·4	*
a Falmouth	167	67	20th	46	20th	61·3	50·6	55·6	+ 2·2	4	1·44	37	+ 24	Falmouth ..	3·9	− 3·5	25	0	38	57·3	*	53·8	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	65	25th	46	21, 22	57·7	48·3	52·7	+ 2·1	2	0·32	8	− 2	Malin Head ..	3·5	—	21	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	62	20, 22	48	26th	59·0	49·9	54·2	+ 2·3	4	1·07	27	+ 13	Markree Castle	4·3	− 1·8	27	0	38	55·1	*	49·4	*
{ *p* Markree Castle ..	122	67	20, 22, 25	44	21st	64·1	49·4	56·3	+ 5·2	5	1·94	49	+ 35										
b, East .. { *p* Armagh	196	68	26th	45	20th	62·3	50·4	56·0	+ 4·5	5	0·86	22	+ 10	Armagh	2·7	− 3·4	17	0	40	52·4	−2·4	48·6	−2·1
{ *a* Donaghadee	101	67	24th	45	20, 21, 23	57·6	47·0	52·0	+ 0·9	4	1·70	43	+ 32										
10. IRELAND, S.																							
p Dublin, City	47	67	24th	48	20th	61·7	51·1	56·1	+ 2·5	4	0·69	18	+ 7	Dublin City ..	*	*	*	0	44	*	*	*	*
a Birr Castle	175	68	20, 24	48	22nd	63·9	51·6	57·4	+ 5·3	5	2·05	52	+ 40	Trinity Coll. ..	*	*	*	0	38	55·0	+0·4	50·7	−0·6
a Kilkenny	212	68	26th	46	22, 24	63·1	50·9	56·6	+ 4·1	7	1·79	46	+ 34	Phœnix Park ..	3·3	− 3·4	21	0	34	*	*	*	*
a Waterford	20	67	20, 26	47	22nd	62·3	51·1	56·4	+ 3·2	4	1·81	46	+ 34	Birr Castle ..	3·9	− 2·1	24	0	40	*	*	*	*
a Seskin, Carrick-on-Suir	541	64	20th	44	22nd	58·6	49·3	53·7	—	7	2·05	52	—	Seskin	3·4	—	21	0	39	*	*	*	*
a Cahir	199	69	26th	45	22nd	62·9	49·7	55·9	+ 3·4	7	1·45	37	—										
a Foynes	50	67	25th	43	22nd	61·4	50·7	55·7	+ 2·5	6	1·46	37	+ 24										
a Cahirciveen (Val. Obs.)	30	64	20th	48	21, 22	60·1	51·6	55·6	+ 2·5	6	1·59	40	+ 23	Cahirciveen ..	2·8	− 3·9	18	0	45	*	*	*	*
a Killarney	174	68	25th	45	21st	61·9	51·6	56·4	+ 3·3	7	1·56	40	+ 24	Ballinacurra ..	2·6	− 4·2	17	*	*	*	*	*	*
a Roche's Point	32	60	21st	47	21st	57·0	51·1	53·9	+ 1·0	7	2·09	53	+ 40										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	62	20th	48	20th	59·9	50·6	55·0	+ 1·6	5	0·91	24	+ 14	Scilly	5·6	− 1·8	36	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	78	26th	48	23rd	66·9	51·7	58·8	+ 3·8	4	0·47	12	0	St. Heliers ..	6·6	− 1·2	43	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	78	26th	48	20th	66·3	51·4	58·4	+ 3·6	4	1·07	27	+ 16	Guernsey† ..	7·3	− 0·7	47	0	43	58·3	+1·3	53·4	+0·3

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 26th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
0. SCOTLAND, N.															
Deerness (Cup Anr.)** ..	188	16	5	—	—	19, 21, 22	23	78	59	8	0	SE. 14	21 20	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	5	83	80	0	— 6	21 11	13	25 12 40
Aberdeen	153	105	52	—	—	—	—	6	103	59	0	SE. by E. 7	21 13	12	25 17 10
Edinburgh	485	39	31	—	—	25, 26	2	22	96	48	0	SSW. 12	25 24	19	25 23 45
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	—	—	71	66	31	0	NE. by E. 11	21 12	16	21 12 20
Paisley	188	81	52	—	—	—	—	9	110	49	0	E. by S. 7	21 17	17	21 17 10
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	20	57	69	22	SE. 8	21 11	13	24 18 15
South Shields	72	61	12	—	—	—	—	29	61	78	0	WNW. 8	24 15	12	24 15 0
Spurn Head	66	40	‡	—	—	21	1	42	107	12	6	— 11	21 11	15	24 14 20
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	20, 21	12	25	85	46	0	E. 15	21 8	—	— — —
Shoeburyness	103	90	‡	—	—	—	—	62	87	19	0	SW. by W. 10	24 13	17	24 22 50
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	48	79	41	0	ESE. 8	26 22	13	24 9 15
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
Warlingham	642	33	‡	—	—	—	—	12	119	37	0	— 8	24 13	18	23 22 0
Brighton	261	53	6	—	—	—	—	39	99	30	0	— 9	20 20	15	20 20 50
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	28	108	32	0	SW. by S. 8	24 14	15	23 21 35
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	3	60	105	0	SW. by S. 6	24 17	12	24 17 50
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	49	108	11	0	SE. by E. 9	21 12	—	— — —
Southport	80	62	48	—	—	21	2	64	92	10	0	ENE. 12	21 8	18	21 8 25
Holyhead	60	40	‡	—	—	21	6	96	61	5	0	ENE. 13	21 4	18	21 21 50
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	23, 24	12	56	66	34	0	SSW. 15	23 23	19	23 18 25
Plymouth	185	88	2	—	—	23	3	33	74	58	0	— 11	23 15	17	23 13 35
Lyme Regis	556	61	‡	—	—	—	—	22	45	101	0	— 8	23 17	16	26 21 55
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	61	73	34	0	ESE. 10	24 19	—	— — —
Quilty	100	40	‡	—	—	23 to 25	25	93	39	11	0	— 14	23 13	20	23 13 10
Cahirciveen (Val. Obs.)	98	41	‡	—	—	24, 25	8	85	61	14	0	S. 12	25 13	18	22 21 40
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	—	—	34	77	57	0	SSE. 10	23 15	16	23 14 10

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·8 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIRST WEEK of 1917—May 20th to May 26th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	70	41	88·4	80·8	84·4	+ 2·0	74	+ 23	0	− 3	3	− 1	0 22	6	− 7	3·7	−1·7	22	1014
Eastern.																			
1. SCOTLAND, EAST ...	73	33	89·7	80·3	84·7	+ 1·8	78	+ 20	0	− 4	2	− 2	0·13	3	− 9	3·3	−2·6	20	1014
2. ENGLAND, N.E.	75	42	91·2	82·6	86·7	+ 3·3	102	+ 40	0	− 1	2	− 1	0·12	3	− 9	5·3	−0·9	33	1016
3. ENGLAND, EAST ...	76	45	92·6	83·4	87·7	+ 3·1	116	+ 39	0	− 1	3	0	0·30	8	− 3	7·1	+0·3	45	1016
4. MIDLAND COUNTIES ...	79	45	93·1	83·4	88·0	+ 3·6	119	+ 43	0	− 1	3	0	0·56	14	+ 1	4·7	−1·1	29	1015
5. ENGLAND, S.E.	78	38	92·2	83·3	87·5	+ 2·4	113	+ 29	0	0	3	0	0·84	21	+ 10	6·5	−0·5	41	1016
Western.																			
6. SCOTLAND, WEST ...	75	43	89·4	82·3	85·7	+ 2·0	90	+ 24	0	− 1	4	+ 1	0·92	23	+ 9	2·5	−4·0	15	1014
7. ENGLAND, N.W.	78	42	91·4	83·6	87·3	+ 3·2	110	+ 39	0	0	3	0	0·44	11	0	3·8	−2·6	23	1013
8. ENGLAND, S.W.	78	42	90 7	82·9	86·6	+ 1·9	101	+ 24	0	0	4	+ 1	1·13	29	+ 16	4·4	−2·2	28	1014
9. IRELAND, NORTH ...	68	44	89·0	82·7	85·7	+ 1·9	90	+ 23	0	− 1	4	0	1·32	34	+ 22	3·5	−2 6	22	1010
10. IRELAND, SOUTH ...	69	43	89·4	83·6	86·3	+ 1·7	98	+ 21	0	0	6	+ 3	1·61	41	+ 28	3·2	−3·4	20	1010
11. ENGLISH CHANNEL ...	78	48	91·0	83·7	87·1	+ 1·8	108	+ 23	0	0	4	+ 1	0·83	21	+ 10	6·5	−1·3	42	1014

THE SEASON (Spring).—Aggregates, &c., for the Period of 12 Weeks, March 4th to May 26th, 1917.

0. SCOTLAND, NORTH ...	70	11	81·2	74·9	77·9	− 1·2	225	− 98	330	+113	58	+ 4	7·74	198	− 42	3·6	−0·8	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	73	−2	81·7	73·9	77·6	− 1·8	267	−117	407	+165	45	− 4	5·71	146	− 7	3·9	−0·8	28	1013
2. ENGLAND, N.E.	76	7	82·7	75·1	78·7	− 1·4	349	− 64	320	+153	45	+ 2	5·11	132	+ 10	4·3	−0·8	32	1014
3. ENGLAND EAST ...	79	17	83·6	75·4	79·4	− 1·3	434	− 81	310	+143	40	0	4·98	127	+ 10	4·8	−0·6	36	1014
4. MIDLAND COUNTIES ...	79	9	84·4	75·2	79·6	− 1·1	475	− 56	310	+124	39	0	5·81	148	+ 18	4·3	−0·5	32	1014
5. ENGLAND, S.E.	79	18	84·4	76·1	80·1	− 1·2	475	− 79	246	+127	40	+ 1	5·87	150	+ 25	5·1	−0·4	38	1015
Western.																			
6. SCOTLAND WEST ...	75	11	82·7	75·4	78·9	− 1·3	347	− 81	288	+131	46	− 2	7·29	186	− 29	4·1	−0·9	30	1014
7. ENGLAND, N.W.	78	5	83·3	75·9	79·4	− 1·2	400	− 50	265	+133	42	− 1	6·25	160	+ 3	4·6	−0·4	34	1014
8. ENGLAND, S.W.	78	18	84·2	76·4	80·2	− 1·0	456	− 58	201	+101	43	+ 1	7·25	183	+ 7	5·8	+0·4	43	1015
9. IRELAND, NORTH ...	74	19	83·2	76·3	79·6	− 1·0	377	− 75	207	+ 82	49	− 5	6·98	179	+ 1	3·9	−0·8	28	1014
10. IRELAND, SOUTH ...	77	20	84·7	77·1	80·7	− 0·7	508	− 35	170	+ 78	47	+ 1	6·81	175	− 14	4·6	−0·7	34	1016
11. ENGLISH CHANNEL ...	78	29	84·6	78·3	81·3	− 1·1	517	− 92	114	+ 87	44	0	6·54	166	+ 23	6·4	+0·1	47	1015

THE YEAR 1917—Aggregates, &c., for the Period of 21 Weeks, December 31st, 1916, to May 26th, 1917.

0. SCOTLAND, NORTH ..	70	10	79·8	74·3	76·9	− 1·0	256	−126	684	+ 147	95	− 5	13·54	345	−170	2·7	−0·4	24	1014
Eastern.																			
1. SCOTLAND, EAST ...	73	−2	79·8	73·1	76·4	− 1·5	288	−159	881	+ 265	76	− 9	9·22	237	− 43	3·0	−0·6	26	1015
2. ENGLAND, N.E.	76	5	80·2	74·0	77·1	− 1·5	383	−112	781	+ 309	78	+ 1	8·98	230	+ 19	3·0	−0·8	26	1015
3. ENGLAND, EAST ..	79	5	80·8	74·1	77·3	− 1·6	467	−139	786	+ 292	73	− 2	7·78	199	− 7	3·3	−0·7	29	1015
4. MIDLAND COUNTIES ...	79	4	81·1	73·8	77·3	− 1·6	511	−121	831	+ 309	67	− 7	8·78	225	− 11	2·9	−0·7	25	1015
5. ENGLAND, S.E.	79	4	81·3	74·7	77·9	− 1·7	517	−154	693	+ 314	64	− 9	8·39	214	− 25	3·7	−0·4	31	1015
Western.																			
6. SCOTLAND, WEST ...	75	11	80·6	74·5	77·5	− 1·4	379	−135	663	+ 247	75	−15	11·65	297	−143	3 0	−0·6	26	1016
7. ENGLAND, N.W.	78	5	80·7	74·5	77·6	− 1·5	440	−102	703	+ 321	69	−11	10·01	256	− 49	3 3	−0·4	29	1015
8. ENGLAND, S.W.	78	4	81·4	75·0	78·1	− 1·7	516	−142	619	+ 318	67	−13	10·50	265	− 88	4·2	+0·2	36	1016
9. IRELAND, NORTH ...	74	7	81·2	75·2	78·1	− 1·3	447	−129	536	+ 196	83	−15	11·30	289	− 61	3·0	−0·5	26	1015
10. IRELAND, SOUTH ...	77	9	82·2	75·7	78·9	− 1·3	605	−120	501	+ 241	79	− 8	11·28	289	− 92	3·5	−0·4	30	1016
11. ENGLISH CHANNEL ...	78	22	82·3	77·1	79·6	− 1·7	622	−204	347	+ 242	73	−13	10·49	266	− 27	4·6	−0·2	40	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F			inches.	mm	mm.	hr.	hr	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : May 31st, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER: 1, ST. ANDREW'S CRESCENT, CARDIFF: 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 22.

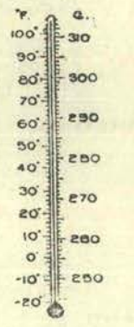
THE TWENTY-SECOND WEEK OF 1917.

SUNDAY, MAY 27TH, TO SATURDAY, JUNE 2ND.

Price 6d., Post free 7d.
Annual Subscription
Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

Shallow depressions over England early in the week were attended by much cloud, rain, and thunderstorms at most places in the west and south-west, but by fine, bright weather in the east and south-east. There was a thunderstorm of exceptional violence in some parts of Herefordshire on the 29th and the rainfall is said to have been abnormally heavy. No actual measurements are, however, at present available. Various parts of Great Britain received more than 25 mm. in one day, the largest figures being 37 mm. at Shrewsbury and 32 mm. at Shaftesbury on May 27th, 31 mm. at Crieff on the 29th and the same amount at Eskdalemuir on the 30th. By the 30th the depressions and their Easterly and variable winds had disappeared and after a brief interval of West to North-West winds a large depression spread from the Atlantic over the British Isles, bringing winds from South and South-West, much cloud and occasional rain in the west and north and somewhat unstable weather elsewhere.



Temperature was highest early in the week, when several districts in Britain recorded maxima of 298 a. or slightly higher. The maximum reading at Camden Square was 302 a. The thermometer at this station is mounted on a Glaisher stand, instead of in the orthodox Stevenson screen. The highest reading at any other London station was 298½ a. at Richmond. In Ireland there was no reading higher than 292·5 a. The lowest of the minima were mostly recorded about the middle of the week, but the lowest maxima occurred later. For the week as a whole the temperature was above the normal, especially in the East. The temperature of the sea surface water was higher than that of the preceding week, but was still below the normal for the time of year except at some south-western stations. Rainfall. With the thundery conditions the rainfall varied greatly. Except in the east and north-east, however, it exceeded the normal. In England South-West it was 236 per cent of the normal, while in England East it was only 20 per cent. A few localities in Sussex, Kent, Norfolk, and Yorkshire were rainless. Bright Sunshine showed an excess over the normal of more than 2 hours per day in England East and North-East, and a deficit of 1 hour in Ireland North and 2 hours in England South-West. Elsewhere the divergence from the normal was not great.

Solar halos were observed at Deerness, Eskdalemuir, Aberdeen, Oxford, Clacton and Richmond.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	5	5·9	3	6·4	5	3·1	4	3·0	4	6·1	3	4·3	4	4·5	4	5·9
North	2	2·6	1	3·1	2	2·2	2	1·7	2	3·9	4	4·8	3	2·9	3	3·4
West	2	3.5	5	4·1	3	2·0	4	2·3	5	2·5	6	3·9	5	3·1	5	3·2
East	4	4·4	¼	0·7	4	4·5	1	4·1	0	—	0	—	1	1·0	1	0·9
Calm	¼	—	2	—	½	—	1	—	1	—	0	—	½	—	¼	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Light	Light	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Scanty

THE SPRING SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SPRING. 13 weeks from March 4th, 1917.	Warmth ...	2, 4, 7	3, 2, 8	3, 2, 8	4, 2, 7	4, 4, 5	4, 3, 6	3, 3, 7	3, 5, 5	2, 6, 5	2, 7, 4	3, 6, 4	3, 3, 7
	Rainfall ...	3, 5, 5	3, 8, 2	5, 3, 5	6, 3, 4	5, 6, 2	5, 5, 3	5, 5, 3	4, 6, 3	6, 3, 4	3, 7, 3	3, 5, 5	5, 6, 2
	Sunshine ...	3, 5, 5	3, 4, 6	1, 8, 4	3, 6, 4	2, 7, 4	3, 6, 4	2, 5, 6	4, 6, 3	4, 5, 4	1, 6, 6	2, 8, 3	2, 5, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(11705—19.) Wt. 153—442. 450. 6/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.			
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm
a, Islands.. *a* Lerwick	54	58	27, 28	47	29–31	55·3	47·9	51·4	+ 4·2	2	0·16	4	− 7
p Deerness	160	58	1st	41	31st	55·0	45·9	50·2	—	1	0·16	4	− 7
a Stornoway	31	58	27, 1	44	31st	56·1	47·3	51·4	+ 1·6	5	0·93	24	+ 10
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—
b, Mainland. *a* Wick	81	60	1st	40	30, 31	55·6	44·9	49·9	+ 0·7	3	0·07	2	− 9
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—
p Glencarron	500	70	27th	42	31st	60·9	47·6	53·9	+ 3·5	6	0·74	19	− 5
p Fort Augustus.. ..	68	78	28th	41	31st	64·6	49·0	56·3	+ 5·1	5	0·30	8	− 5
p Fort William	171	74	28th	46	31st	64·1	50·1	56·7	+ 4·1	5	1·62	41	+ 20
1. SCOTLAND, E.													
a Nairn	82	79	28th	38	31st	66·0	46·7	55·8	+ 4·3	5	0·19	5	− 6
p Gordon Castle	101	76	28th	41	31st	65·9	48·4	56·6	+ 4·8	3	0·04	1	− 11
a Aberdeen	46	64	30th	42	31st	60·7	47·0	53·4	+ 2·4	1	0·02	0·4	− 12
a Balmoral	930	72	28th	33	31st	64·3	43·1	53·1	+ 3·6	4	0·56	14	+ 1
p Crieff	432	70	28, 29	43	31st	62·7	45·7	53·7	+ 0·7	6	2·10	53	+ 38
a Dundee	244	65	1st	38	31st	62·1	45·1	53·1	—	3	0·20	5	− 7
a Leith	18	63	2nd	47	28–30	59·1	48·7	53·6	+ 0·6	3	0·24	6	− 5
a Edinburgh	441	71	27th	46	28–30	61·7	49·0	55·0	—	3	0·10	3	− 8
a West Linton	769	72	28th	40	29th	62·6	45·6	53·6	+ 4·1	4	0·29	7	—
p Marchmont	498	71	27, 28	45	28–31	64·9	46·7	55·3	+ 4·1	2	0·14	4	− 10
6. *a*, SCOTLAND, W.													
a Poltalloch	132	62	28th	—	—	56·7	—	—	—	4	1·62	41	+ 24
p Glasgow Observatory	180	71	28th	49	29, 30	62·7	50·9	56·5	+ 3·4	5	1·35	34	+ 19
p Rothesay	170	69	28th	46	2nd	60·1	48·4	53·9	+ 0·8	4	1·47	37	+ 19
a Kilmarnock	90	79	28th	45	30th	66·9	51·6	58·8	+ 6·4	5	0·69	18	+ 4
a Colmonell	170	62	28th	42	30th	59·3	50·9	54·9	+ 2·7	4	1·64	42	+ 27
p Cally, Gatehouse ..	120	77	28th	43	30th	63·9	47·4	55·2	+ 3·8	2	0·45	11	− 7
a Dumfries	160	76	28, 29	46	29th	64·3	50·9	57·2	+ 3·5	3	0·44	11	− 3
a Eskdalemuir	794	73	28th	43	30th	63·3	47·3	54·8	—	4	1·62	41	—
b, I. OF MAN *p* Douglas	277	65	28th	47	29, 31	57·6	49·0	53·0	+ 0·3	4	0·98	25	+ 11
2. ENGLAND, N.E.													
— *a* Alnwick Castle ..	210	68	1st	41	29th	64·7	46·4	55·0	+ 3·0	2	0·04	1	− 11
a Tynemouth	71	65	30th	44	30th	59·6	48·3	53·6	+ 1·8	2	0·08	2	− 9
p Durham	336	74	27th	43	29, 31	66·7	46·7	56·1	+ 3·6	2	0·11	3	− 7
a North .. *p* Rounton	249	76	27th	43	31st	67·4	47·9	57·1	+ 5·0	3	0·59	15	+ 3
a West Witton	605	74	27th	43	31st	66·9	48·6	57·2	—	4	0·49	12	—
p Scarborough	100	66	2nd	44	30th	62·9	47·9	55·0	+ 2·0	0	0·00	0	− 10
p York	56	—	—	—	—	—	—	—	—	—	—	—	—
b, South .. *a* Spurn Head	26	69	31st	47	30th	62·7	50·3	56·1	+ 2·7	1	0·08	2	− 6
a Lincoln	58	79	27th	45	31st	70·3	50·9	60·0	+ 4·4	1	0·06	2	− 9
a Fulbeck	180	76	27, 29	41	31st	69·7	48·9	58·7	+ 3·7	3	0·43	11	0
3. ENGLAND, E.													
p Cromer	196	72	31, 1	49	30, 31	67·4	51·6	59·0	+ 5·0	1	0·01	0·3	− 9
p Little Massingham ..	280	78	27th	45	31st	71·1	48·1	58·9	+ 4·0	2	0·08	2	− 9
a Yarmouth	13	70	31, 1	48	31st	66·1	51·6	58·4	+ 4·3	0	0·00	0	− 9
a Norwich	93	76	27th	47	31st	71·9	52·3	61·5	+ 6·2	1	0·05	1	− 9
a Geldeston	37	75	29th	43	31st	70·7	50·4	59·9	+ 5·2	2	0·28	7	− 3
p Cambridge	41	76	28th	43	31st	71·0	51·0	60·4	+ 4·5	1	0·04	1	− 9
a Clacton-on-Sea ..	54	69	30th	50	29, 31	65·7	51·0	59·5	+ 4·7	1	0·01	0·3	− 8
a Rothamsted	424	75	27th	46	31st	67·9	50·1	58·5	+ 3·6	1	0·05	1	− 10
p Tottenham	51	77	27th	52	2nd	70·9	54·7	62·3	+ 7·7	2	0·07	2	—
4. MIDLAND COUNTIES.													
a North .. *a* Harrogate	479	74	27th	41	31st	66·9	48·1	56·9	+ 4·2	1	0·33	8	− 4
p Sheffield	439	76	27th	44	31st	67·3	50·5	58·4	—	3	0·13	3	—
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—
b, East .. *a* Bawtry	65	79	28th	43	31st	70·4	48·7	58·9	+ 3·9	2	0·36	9	− 1
a Nottingham	82	77	27th	43	31st	68·9	49·9	58·8	+ 3·7	2	0·24	6	− 5
p Birmingham, Edgbn.	535	75	28th	47	30, 31, 2	65·4	50·9	57·7	+ 2·7	3	0·65	17	+ 5
a Raunds	203	77	27th	42	31st	71·0	47·3	58·4	+ 3·0	2	0·76	19	+ 8
p Oxford	208	75	28th	48	31st	67·1	51·7	58·9	+ 2·9	3	0·45	11	0
c, West .. *a* Cheadle (N. Staffs.) ..	646	75	28th	45	30, 31	64·4	48·6	56·0	+ 2·4	4	1·00	25	+ 12
p Shrewsbury	191	76	28th	41	31st	66·1	49·3	57·2	+ 2·3	3	1·75	45	+ 35
a Hereford§	291	78	28th	41	31st	65·1	48·4	56·3	+ 0·9	5	1·37	35	+ 24
a Clifton	229	75	29th	49	31st	65·6	53·0	58·9	+ 1·7	3	1·12	29	+ 14
5. ENGLAND, S.E.													
a Marlborough	424	73	29th	42	30, 31	65·0	48·7	56·4	+ 2·1	5	1·24	32	+ 20
p Salisbury (Wilton) ..	180	71	29th	44	31st	65·3	50·0	57·2	+ 1·2	3	0·99	25	+ 13
a Wisley, Surrey ..	150	77	27th	49	31st	69·7	52·0	60·3	+ 4·6	3	0·86	22	+ 13
a Tunbridge Wells ..	354	75	27th	49	31st	68·0	51·7	59·4	+ 4·0	1	0·44	11	0
a Margate	53	69	31st	50	2nd	66·4	52·4	59·0	+ 3·2	0	0·00	0	− 9
a Dungeness	21	64	28th	46	28, 29	60·0	49·1	54·2	− 1·0	0	0·00	0	− 8
p St. Leonards	178	72	27, 28	50	29th	65·0	52·4	58·3	+ 2·6	0	0·00	0	− 9
p Southampton	64	73	29th	47	31st	66·9	52·6	59·3	+ 1·8	4	1·01	26	+ 15
a Ventnor	59	70	28th	50	31st	63·4	52·6	57·7	+ 1·2	2	0·21	5	− 5
LONDON. *p* Richmond (Kew Obs.)	18	78	27th	52	29, 2	70·0	53·4	61·2	+ 4·6	2	0·19	5	− 6
a Westminster	27	77	27th	53	29, 30, 2	71·2	54·6	62·4	+ 5·1	2	0·51	13	+ 3
a Greenwich	155	77	27, 29	50	31, 2	72·0	51·3	61·0	+ 5·4	2	0·73	19	+ 8
a Hampstead	450	75	27th	49	29, 2	67·6	50·7	58·6	—	1	1·19	30	—
a Camden Square ..	110	84	27th	52	2nd	74·9	53·9	63·8	+ 5·5	1	0·36	9	− 2
7. *a*, ENGLAND, N.W.													
f Aspatria (Mealsgate)	487	73	28th	43	30, 31	63·6	47·4	55·0	+ 1·9	4	0·24	6	− 9
p Newton Rigg	559	75	29th	41	31st	64·7	47·6	55·6	+ 2·9	4	0·66	17	+ 3
p Stonyhurst	377	74	28th	41	31st	64·9	49·7	56·8	+ 3·2	3	0·71	18	0
p Blackpool	66	74	28th	43	31st	62·9	51·0	56·6	+ 2·8	4	0·74	19	+ 6
a Southport	37	73	28th	42	31st	62·9	50·6	56·4	+ 2·1	4	0·76	19	+ 6
a Liverpool (Bidston) ..	188	65	27th	45	31st	60·0	49·6	54·5	− 0·4	4	1·42	36	+ 24
a Hawarden Bridge ..	22	68	27th	44	31st	62·3	50·3	55·9	+ 0·5	4	1·03	26	+ 15
p Manchester (Whit. Pk.)	125	77	28th	49	30th	66·4	53·4	59·5	+ 3·8	5	1·05	27	+ 13
b, NORTH WALES.													
p Llandudno	71	69	27th	45	29, 31	60·0	49·1	54·2	− 0·7	3	1·03	26	+ 14
a Holyhead	15	60	27, 30	45	30th	56·7	48·4	52·3	− 1·3	3	1·34	34	+ 22
p Bettws-y-Coed ..	148	69	29th	44	30th	62·6	49·6	55·7	+ 1·9	4	1·40	36	—
p Aberdovey	22	68	28th	47	31st	60·4	51·0	55·4	—	5	0·84	21	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
				Grass Min.		Earth 1 ft.		Earth 4 ft.	
	Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
Deerness ..	6·8	+ 1·0	39	•	•	•	•	•	•
Stornoway ..	4·9	− 1·5	28	•	•	•	•	•	•
Castlebay ..	•	•	•	•	•	•	•	•	•
Fort Augustus..	3·7	− 1·0	22	•	•	•	•	•	•
Nairn	4·7	—	28	•	•	•	•	•	•
Gordon Castle..	5·4	—	32	•	•	•	•	•	•
Aberdeen ..	8·3	+ 1·6	49	0	34	•	•	48·2	+0·2
Balmoral ..	•	•	•	1	30	•	•	•	•
Crathes	7·5	+ 1·2	44	1	28	54·3	−2·6	48·4	−0·3
Dundee	7·2	—	43	0	33	53·0	•	•	•
Leith	•	•	•	0	40	•	•	•	•
Edinburgh ..	7·0	+ 0·6	41	0	41	•	•	•	•
West Linton ..	6·8	—	41	0	35	•	•	•	•
Marchmont ..	9·0	+ 2·5	54	0	44	•	•	•	•
Glasgow.. ..	6·0	+ 0·4	36	0	39	•	•	•	•
Rothesay ..	4·4	—	26	0	43	55·0	•	49·4	−0·8
Kilmarnock ..	5·9	—	35	•	•	55·8	•	49·0	•
Colmonell ..	•	•	•	0	41	•	•	•	•
Dumfries ..	8·2	—	49	0	34	57·1	•	51·3	•
Eskdalemuir ..	7·7	—	46	0	37	•	•	•	•
Douglas	7·5	− 0·1	46	0	44	•	•	•	•
Cockle Park ..	8·4	+ 2·4	50	0	35	56·5	+2·4	50·0	+0·2
Durham ..	8·1	+ 2·4	49	0	34	•	•	•	•
Rounton ..	•	•	•	0	36	56·7	•	•	•
West Witton ..	•	•	•	0	37	57·5	•	47·3	•
Scarborough† ..	7·8	+ 1·7	48	•	•	•	•	46·5	•
York	•	•	•	•	•	•	•	•	•
Spurn Head ..	4·7	—	29	•	•	•	•	•	•
Lincoln	•	•	•	•	•	61·0	+5·1	51·3	+0·7
Rauceby ..	8·3	+ 1·6	50	0	39	61·0	+1·4	51·2	−0·8
Skegness ..	9·6	+ 2·5	59	•	•	•	•	•	•
Cromer	10·5	+ 3·6	64	•	•	•	•	•	•
Lit. Massingham	10·5	+ 3·6	64	0	43	•	•	•	•
Yarmouth ..	9·6	—	60	0	37	60·0	−0·4	53·7	−1·2
Norwich ..	10·5	—	65	0	43	60·0	•	•	•
Geldeston ..	9·9	+ 2·5	62	•	•	•	•	•	•
Cambridge ..	8·7	+ 1·6	54	0	35	60·4	+3·0	53·4	0·0
Clacton	11·4	+ 3·5	71	0	46	58·5	+1·5	53·6	−0·3
Rothamsted ..	8·7	+ 1·8	54	0	38	57·7	•	•	•
Tottenham ..	9·8	—	61	0	50	•	•	54·6	+0·9
Harrogate ..	7·7	+ 1·3	47	0	36	55·4	+3·6	51·3	+1·4
Sheffield.. ..	7·2	+ 1·4	44	0	36	57·0	+3·4	48·4	−0·2
Buxton	•	•	•	•	•	•	•	•	•
Worksop ..	7·3	+ 1·5	45	0	35	58·2	•	52·2	•
Nottingham ..	6·5	+ 0·3	40	0	38	59·6	+3·3	51·9	+0·6
Birmingham ..	5·3	+ 0·1	33	0	34	53·7	+1·8	47·7	−0·4
Raunds	•	•	•	0	33	58·2	•	49·5	•
Oxford	6·0	− 0·7	37	0	41	•	•	•	•
Cheadle	•	•	•	0	43	•	•	•	•
Shrewsbury ..	•	•	•	0	33	•	•	•	•
Malverns§ ..	5·1	—	32	0	33	59·7	•	53·8	•
Clifton	4·6	—	29	0	47	•	•	•	•
Worthing ..	8·9	+ 0·9	56	0	45	61·1	+1·7	53·5	0·0
Marlborough ..	3·7	− 2·7	23	0	37	59·4	•	51·8	•
Salisbury ..	•	•	•	0	42	60·1	•	•	•
Wisley	8·4	+ 1·3	53	0	39	59·9	+2·5	52·6	−0·6
Tunbridge Wells	9·1	+ 1·8	57	0	38	59·8	+0·2	53·2	•
Margate	9·2	+ 2·3	58	0	45	61·4	+4·1	55·2	+2·3
Dover	8·7	—	54	0	38	•	•	•	•
St. Leonards ..	8·7	+ 0·7	55	0	47	61·8	•	53·5	•
Southampton ..	5·3	− 2·1	33	0	39	•	•	•	•
Ventnor	6·2	− 1·4	39	•	•	•	•	•	•
Richmond ..	8·9	+ 2·0	56	0	40	61·0	+3·8	52·7	+0·5
Westminster ..	9·2	+ 3·2	58	0	49	•	•	•	•
Greenwich ..	9·3	+ 3·0	58	0	40	•	•	•	•
Hampstead ..	9·3	—	58	0	39	•	•	•	•
Camden Square ..	8·9	+ 2·8	56	0	49	•	•	•	•
Aspatria.. ..	8·0	+ 1·2	48	0	41	55·0	•	49·0	•
Newton Rigg ..	7·2	+ 0·3	43	0	35	56·6	+1·9	49·2	−0·2
Stonyhurst ..	5·9	− 0·5	36	0	35	•	•	•	•
Blackpool ..	6·1	− 1·6	37	0	35	57·3	•	49·5	•
Southport ..	6·6	− 0·9	40	0	38	60·0	+1·4	54·4	+0·1
Hoylake ..	5·5	− 1·4	34	•	•	•	•	•	•
Liverpool ..	5·2	—	32	0	37	•	•	•	•
Manchester(City)	5·0	− 0·7	31	0	39	59·0	+3·4	52·7	+1·5
Whitworth Park	4·1	− 1·4	25	•	•	•	•	•	•
Llandudno ..	5·0	− 2·5	31	•	•	•	•	•	•
Holyhead ..	5·1	—	31	0	42	•	•	•	•
Bettws-y-Coed.	4·2	—	26	•	•	54·7	+0·7	49·7	−0·1
Aberdovey ..	3·4	− 3·5	21	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Mean for the Week. Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	59	31,1	48	30,31	57·7	50·1	53·7	—	5	0·78	20	—	Aberystwyth ..	3·4	- 3·2	21	*	*	*	*	*	*
a Rhayader	757	71	29th	35	31st	61·3	47·0	53·7	—	5	1·52	39	—	Rhayader ..	4·0	—	25	1	28	*	*	*	*
a St. Ann's Head	149	59	29, 30	46	30th	55·6	48·1	51·6	- 1·9	5	0·48	12	+ 2	St, Ann's Head	6·0	- 1·4	37	*	*	*	*	*	*
p Cardiff	202	73	29th	46	31st	64·3	51·0	57·3	+ 2·1	5	1·39	35	+ 23	Cardiff	4·7	—	29	0	34	59·7	+2·1	52·2	-0·2
b, ENGLAND, S.W.																							
a Bath	66	75	29th	48	31st	65·9	52·0	58·5	+ 2·8	4	1·38	35	+ 25	Bath	*	*	*	*	*	59·6	+1·4	53·9	-0·2
a Shaftesbury	722	72	29th	42	28th	62·1	48·6	55·0	+ 0·8	3	1·59	40	+ 29	Shaftesbury ..	*	*	*	*	*	57·9	*	52·3	*
a Arlington	613	70	29th	44	31st	60·7	48·3	54·1	+ 0·5	5	1·12	28	+ 13										
a Newquay	190	60	31, 1	45	31st	57·4	49·6	53·3	- 1·5	4	0·44	11	+ 2	Newquay ..	3·9	- 3·5	25	*	*	57·7	*	52·2	*
a Cullompton	202	75	29th	45	31, 2	65·1	49·7	56·9	+ 1·4	5	0·81	21	+ 10	Cullompton ..	4·5	- 2·1	28	0	38	59·3	*	*	*
a Portland Bill	19	65	29th	49	28, 29, 31	58·0	49·9	53·7	- 1·0	4	0·75	19	+ 12	Weymouth ..	*	*	*	*	*	*	*	*	*
p Plymouth	116	72	29th	47	31st	62·7	51·3	56·7	+ 0·7	3	0·65	17	+ 7	Plymouth ..	6·3	- 1·0	40	0	42	59·6	*	53·7	*
a Falmouth ..	167	62	27, 30	46	28, 31	59·9	49·6	54·4	- 0·7	3	0·52	13	+ 2	Falmouth ..	5·5	- 2·2	35	0	39	58·8	0·0	54·9	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	60	1st	46	2nd	55·9	49·0	52·2	+ 0·2	5	0·44	11	- 1	Malin Head ..	4·5	—	27	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	59	29th	45	28th	56·9	48·0	52·2	- 1·1	5	1·00	25	+ 9	Markree Castle	5·8	- 0·3	35	0	34	56·3	*	50·6	*
{ *p* Markree Castle ..	122	66	27th	39	29th	61·6	46·9	53·8	+ 1·2	6	0·71	18	+ 1										
b, East .. { *p* Armagh	196	65	29th	41	29th	61·4	47·7	54·1	+ 1·0	5	0·93	24	+ 10	Armagh	3·8	- 2·3	23	0	35	54·6	-1·5	50·9	-1·8
{ *a* Donaghadee	101	60	1st	46	2nd	56·6	47·7	51·9	- 0·6	6	0·73	19	+ 6										
10. IRELAND, S.																							
p Dublin, City	47	66	29th	47	29th	63·0	51·7	57·0	+ 1·8	2	0·13	3	- 9	Dublin City ..	*	*	*	0	44	*	*	*	*
a Birr Castle	175	65	27th	47	2nd	62·0	50·1	55·7	+ 2·0	4	0·43	11	- 2	Trinity Coll. ..	*	*	*	*	*	*	*	*	*
a Kilkenny	212	67	27th	45	29, 2	62·6	49·3	55·6	+ 1·5	4	0·59	15	+ 2	Phœnix Park ..	5·4	- 1·3	33	0	39	*	*	*	*
a Waterford	20	68	29th	48	29, 2	61·9	50·9	56·1	+ 1·3	4	0·67	17	+ 3	Birr Castle ..	5·2	- 0·7	32	0	37	*	*	*	*
a Seskin, Carrick-on-Suir	541	66	27th	45	29th	61·0	47·9	54·1	—	5	0·90	23	—	Seskin	7·0	—	43	0	40	*	*	*	*
a Cahir	199	67	27th	42	2nd	63·4	48·4	55·5	+ 1·4	5	0·62	16	—										
a Foynes	50	63	27, 30, 2	46	29th	61·9	48·7	54·9	+ 0·3	4	0·52	13	- 1										
a Cahirciveen (Val. Obs.)	30	60	31st	46	2nd	57·7	49·6	53·4	- 1·0	5	1·15	29	+ 11	Cahirciveen ..	7·4	+ 0·7	46	0	44	*	*	*	*
a Killarney	174	66	30, 31	46	27th	63·7	50·1	56·5	+ 2·0	5	1·29	33	+ 16	Ballinacurra ..	8·6	+ 1·9	54	*	*	*	*	*	*
a Roche's Point	32	63	27, 29	48	2nd	60·0	50·6	55·0	+ 0·7	5	1·08	28	+ 13										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	61	30th	49	2nd	58·3	50·4	54·1	- 1·0	4	0·40	10	- 1	Scilly	6·9	- 0·9	43	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	64	1st	50	28, 30, 2	59·0	51·0	54·8	- 1·9	4	0·87	22	+ 9	St. Heliers ..	5·2	- 2·9	33	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	64	29, 31, 1	49	28th	61·7	51·3	56·2	- 0·3	2	0·27	7	- 5	Guernsey† ..	7·1	- 1·3	45	0	41	59·8	+1·3	54·8	+0·4

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 2nd, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.				
Deerness (Cup Anr.)** ..	188	16	5	—	—	27, 30, to 1	16	73	73	6	0	SE. 13	27 16	—	— — — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	14	99	55	0	— 7	1 6	17	1 6 35
Aberdeen	153	105	52	—	—	—	—	33	101	34	0	S. by E. 8	1 15	16	1 9 55
Edinburgh	485	39	31	—	—	31	4	71	44	49	0	SW. by S. 12	31 21	19	31 15 50
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	31 to 2	32	56	54	26	0	SSW. 16	1 4	24	1 2 45
Paisley	188	81	52	—	—	—	—	40	87	32	9	SW. by S. 8	1 17	18	1 16 45
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	21	90	49	8	SSW. 8	1 11	16	1 10 40
South Shields	72	61	12	—	—	—	—	21	86	60	1	SSE. 10	27 15	14	2 14 20
Spurn Head	66	40	‡	—	—	27	2	79	60	24	3	— 11	27 14	14	27 14 40
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	27	1	56	98	13	0	SE. by E. 11	27 4	—	— — — —
Shoeburyness	103	90	‡	—	—	2	1	80	81	6	0	SW. by W. 11	2 14	17	2 17 45
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	58	72	38	0	S. by W. 10	1 12	17	2 15 0
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	—	—	48	73	47	0	— 10	28 14	14	28 13 55
Warlingham	642	33	‡	—	—	—	—	20	84	64	0	— 7	2 15	13	2 11 45
Brighton	261	53	6	—	—	—	—	23	108	37	0	— 8	27 8	14	2 18 15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	36	109	23	0	SW. by S. 9	2 15	16	2 16 20
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	5	91	69	3	SW. by W. 7	30 15	11	30 10 30
Fleetwood (Cup Anr.) ..	109	44	—	—	—	29, 30	7	67	90	4	0	NW. by W. 13	30 1	—	— — — —
Southport	80	62	48	—	—	29, 30, 2	10	85	67	6	0	NW. by W. 12	30 3	17	30 3 25
Holyhead	60	40	‡	—	—	28, 31 to 2	22	94	52	0	0	S. 12	1 1	19	31 19 5
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	31 to 2	27	57	68	16	0	SSW. 15	31 24	20	31 23 20
Plymouth	185	88	2	—	—	—	—	35	95	38	0	— 11	1 8	13	31 20 5
Lyme Regis	556	61	‡	—	—	—	—	13	80	75	0	— 8	31 21	13	31 20 40
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	29, 31	3	78	83	4	0	WNW. 11	29 8	—	— — — —
Quilty	100	40	‡	—	—	1, 2	6	128	30	4	0	— 12	1 2	18	1 1 40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	31, 1	8	96	59	5	0	S. by W. 12	31 23	21	31 22 40
Weaver Pt.	160	30	‡	—	—	—	—	103	60	5	0	— 10	1 1	16	1 1 35
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	—	—	74	76	18	0	NNW. 10	28 20	14	1 1 40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SECOND WEEK of 1917—May 27th to June 2nd, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	78	40	88·2	81·8	84·8	+ 1·5	79	+ 19	0	− 1	4	0	0·64	16	+ 1	5·1	−0·4	30	1010
Eastern.																			
1. SCOTLAND, EAST ...	79	33	90·4	81·1	85·4	+ 1·5	87	+ 20	0	− 1	4	+ 1	0·45	11	− 2	7·3	+0·8	43	1010
2. ENGLAND, N.E.	79	41	91·6	82·1	86·6	+ 1·9	102	+ 24	0	0	2	− 1	0·17	4	− 7	8·4	+2·1	51	1013
3. ENGLAND, EAST ...	78	43	93·7	83·8	88·4	+ 2·6	125	+ 33	0	0	1	− 2	0·07	2	− 8	9·9	+2·7	61	1014
4. MIDLAND COUNTIES ...	79	41	92·5	82·8	87.3	+ 1·7	111	+ 21	0	0	3	0	0·80	20	+ 8	6·4	0·0	39	1013
5. ENGLAND, S.E.	78	42	91·9	83·8	87·6	+ 1·4	114	+ 17	0	0	2	− 1	0·49	13	+ 3	7·7	+0·3	48	1014
Western.																			
6. SCOTLAND, WEST ...	79	42	89·7	82·9	86·1	+ 1·5	95	+ 19	0	0	4	0	1·08	27	+ 10	6·8	+0·2	40	1011
7. ENGLAND, N.W.	77	41	89·9	82·8	86·1	+ 0·9	95	+ 12	0	0	4	+ 1	0·96	24	+ 10	5·7	−1·0	35	1012
8. ENGLAND, S.W.	75	35	89·4	82·8	85·9	+ 0·2	92	+ 2	0	0	4	+ 1	1·02	26	+ 15	4·8	−2·1	30	1014
9. IRELAND, NORTH ...	66	39	88·1	82·0	84·8	+ 0·2	79	+ 2	0	0	5	+ 1	0·71	18	+ 3	4·8	−1·3	29	1009
10. IRELAND, SOUTH ...	68	42	89·6	82·9	86·1	+ 0·7	95	+ 8	0	0	4	+ 1	0·72	18	+ 3	6·7	+0·2	41	1012
11. ENGLISH CHANNEL ...	64	49	88·4	83·5	85·8	− 0·5	91	− 6	0	0	3	0	0·51	13	+ 1	6·4	−1·7	41	1015

THE SEASON (Spring).—Aggregates, &c., for the Period of 13 Weeks, March 4th to June 2nd, 1917.

0. SCOTLAND, NORTH ...	78	11	81·7	75·4	78·4	− 1·0	304	− 79	330	+112	62	+ 4	8·38	214	− 41	3·8	−0·6	26	1012
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	82·3	74·4	78·2	− 1·5	354	− 97	407	+164	49	− 3	6·16	157	− 9	4·2	−0·7	30	1013
2. ENGLAND, N.E.	79	7	83·4	75·7	79·4	− 1·0	451	− 40	320	+153	47	+ 1	5·28	136	+ 3	4·7	−0·5	33	1014
3. ENGLAND, EAST ...	79	17	84·4	76·0	80·0	− 1·1	559	− 48	310	+143	41	− 2	5·05	129	+ 2	5·2	−0·3	38	1014
4. MIDLAND COUNTIES ...	79	9	85·0	75·8	80·2	− 0·8	586	− 35	310	+124	42	0	6·61	168	+ 26	4·5	−0·4	32	1014
5. ENGLAND, S.E.	79	18	85·0	76·7	80·6	− 1·1	589	− 62	246	+127	42	0	6·36	163	+ 28	5·3	−0·3	38	1015
Western.																			
6. SCOTLAND, WEST ...	79	11	83·3	76·0	79·5	− 1·0	442	− 62	288	+131	50	− 2	8·37	213	− 19	4·3	−0·8	31	1014
7. ENGLAND, N.W.	78	5	83·8	76·5	79·9	− 1·0	495	− 38	265	+133	46	0	7·21	184	+ 13	4·7	−0·5	34	1014
8. ENGLAND, S.W.	78	18	84·6	76·9	80·6	− 1·0	548	− 56	201	+101	47	+ 2	8·27	209	+ 22	5·7	+0·2	42	1015
9. IRELAND, NORTH ...	74	19	83·5	76·7	80·0	− 0·9	456	− 73	207	+ 82	54	− 4	7·69	197	+ 4	4·0	−0·8	28	1014
10. IRELAND, SOUTH ...	77	20	85·1	77·5	81·1	− 0·6	603	− 27	170	+ 78	51	+ 2	7·61	195	− 9	4·8	−0·6	34	1015
11. ENGLISH CHANNEL ...	78	29	84·9	78·7	81·7	− 1·0	608	− 98	114	+ 87	47	0	7·05	179	+ 24	6·4	0·0	47	1015

THE YEAR 1917.—Aggregates, &c., for the Period of 22 Weeks, December 31st, 1916, to June 2nd, 1917.

0. SCOTLAND, NORTH ...	78	10	80·2	74·6	77·3	− 0·9	335	−107	684	+ 146	99	− 5	14·18	361	−169	2·8	−0·4	24	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	80·2	73·5	76·8	− 1·4	375	−139	881	+ 264	80	− 8	9·67	248	− 45	3·2	−0·5	27	1015
2. ENGLAND, N.E.	79	5	80·8	74·4	77·5	− 1·4	485	− 88	781	+ 309	80	0	9·15	234	+ 12	3·3	−0·7	28	1015
3. ENGLAND, EAST ...	79	5	81·4	74·6	77·8	− 1·4	592	−106	786	+ 292	74	− 4	7·85	201	− 15	3·6	−0·6	31	1015
4. MIDLAND COUNTIES ...	79	4	81·6	74·2	77·8	− 1·4	622	−100	831	+ 309	70	− 7	9·58	245	− 3	3·1	−0·6	26	1015
5. ENGLAND, S.E.	79	4	81·8	75·1	78·4	− 1·5	631	−137	693	+ 314	66	−10	8·88	227	− 22	3·8	−0·4	32	1015
Western.																			
6. SCOTLAND, WEST ...	79	11	81·0	74·9	77·9	− 1·2	474	−116	663	+ 247	79	−15	12·73	324	−133	3·2	−0·5	27	1015
7. ENGLAND, N.W.	78	5	81·1	74·9	78·0	− 1·4	535	− 90	703	+ 321	73	−10	10·97	280	− 39	3·4	−0·4	29	1015
8. ENGLAND, S.W.	78	4	81·7	75·4	78·5	− 1·6	608	−140	619	+ 318	71	−12	11·52	291	− 73	4·2	+0·1	36	1015
9. IRELAND, NORTH ...	74	7	81·5	75·5	78·4	− 1·3	526	−127	536	+ 196	88	−14	12·01	307	− 58	3·1	−0·5	26	1015
10. IRELAND, SOUTH ...	77	9	82·6	76·0	79·2	− 1·3	700	−112	501	+ 241	83	− 7	12·08	309	− 87	3·6	−0·4	31	1016
11. ENGLISH CHANNEL ...	78	22	82·5	77·4	79·9	− 1·6	713	−210	347	+ 242	76	−13	11·00	279	− 26	4·7	−0·2	40	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : June 7th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 23.

THE TWENTY-THIRD WEEK OF 1917.

SUNDAY, JUNE 3RD, TO SATURDAY, JUNE 9TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published 1878.]

Throughout this period there were frequent changes in the distribution of pressure. The winds, which were generally light, visited all quarters of the compass. In other respects also the weather was very variable in character, and the results for the week show wide differences between the districts.

Temperature exhibited large variations, the maximum at Glencarron on the 3rd, and at Fort Augustus on the 4th being as low as 283½ a., whereas on the 5th Jersey, and on the 7th Geldeston and Norwich reached 300 a. There were few minima below 277 a. though 273 a. was registered at Markree on the morning of the 5th. On the other hand many stations returned occasional minima above 287 a. The means for the week were about normal in Ireland and Scotland West, elsewhere there was an excess ranging up to as much as 2·2 a. in England East. The temperature of the sea water was increasing, but it was still below the normal, and about 2 a. below the mean air temperature. Fog was of daily occurence locally on the western coasts, later extending into the Channel, and round the north of Scotland.

Rain was most erratic in its distribution, falling on six days in some places, whilst the week was quite dry in others. There were thunderstorms in many localities on the 5th, 6th, and 7th. In few instances was 12 mm. in a day exceeded, 21 mm. at Eskdalemuir, and 24 mm. at Lancaster on the 3rd being the heaviest falls. At Southport, on the 7th, 4 mm. fell in three minutes, a rate of 80 mm. an hour. The week's totals ranged from 29 per cent. of the normal in England South-East, and 46 in England North-East and the English Channel to 178 in Scotland East, and 208 per cent. in Scotland West.

Bright sunshine ranged from 3¾ hours per day, 2½ hours below the normal, over Ireland, to 10¾ hours, an excess of 4 hours per day, over England South-East. At many stations in the latter district more than 15 hours was recorded on individual days.

Sun pillars, parhelia, and visibility were reported at various stations on several days.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	5	5·1	5	3·0	3	2·1	4	2·8	5	5·0	5	3·0	5	3·9	6	3·9
North	2	3·4	1	1·4	3	3·6	2	1·6	1	4·2	2	1·2	1	1·1	1	0·9
West	3	3.3	4	4·4	2	2·9	3	2·0	4	2·3	4	1·9	3	3·7	3	2·1
East	4	4·7	2	2·2	3	5·5	2	5·9	2	4·1	3	5·0	3	2·5	4	1·9
Calm	¼	—	1	—	1	—	1	—	1	—	—	—	¼	—	¼	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Very unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Very unusual
	Rainfall ...	Moderate	Heavy	Light	Very light	Moderate	Light	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Very abundant	Scanty	Moderate	Abundant	Scanty	Scanty	Abundant

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 1 week from June 3rd, 1917.	Warmth ...	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0
	Rainfall ...	0, 1, 0	1, 0, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	1, 0, 0	0, 1, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0
	Sunshine ...	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 0, 1	0, 1, 0	1, 0, 0	0, 0, 1	0, 0, 1	1, 0, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(11822—19.) Wt. 153—442. 450. 6/17. D & S. G. 17/36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick..	54	59	3, 6, 9	44	6th	57·3	47·9	52·3	+ 4·4	4	0·29	7	- 1										
p Deerness	160	60	9th	42	6th	56·3	46·0	50·8	—	3	0·24	6	- 2	Deerness ..	6·5	+ 0·6	36	•	•	•	•	•	•
a Stornoway	51	65	7th	45	4, 5	57·9	48·1	52·7	+ 2·1	5	0·64	16	+ 5	Stornoway ..	4·5	- 2·0	26	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	•	•	•	•	•	•	•	•	•
b, Mainland. *a* Wick	81	67	9th	44	3rd	55·7	45·6	50·3	+ 0·3	4	0·25	6	- 2	Fort Augustus..	3·2	- 1·7	18	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	69	6th	47	3, 6	59·4	48·3	53·5	+ 2·1	4	0·77	20	+ 1										
p Fort Augustus.. ..	68	67	6th	43	5th	59·4	48·0	53·3	+ 1·1	4	0·92	23	+ 13										
p Fort William	171	67	6, 7	43	5th	61·4	48·7	54·6	+ 1·0	5	1·25	32	+ 16										
1. SCOTLAND, E.																							
a Nairn	82	72	6th	42	3rd	63·7	45·9	54·2	+ 1·9	3	0·79	20	+ 12	Nairn	6·2	—	36	•	•	•	•	•	•
p Gordon Castle.. ..	101	72	8th	44	6th	63·7	46·7	54·6	+ 1·9	3	0·64	16	+ 7	Gordon Castle..	6·8	—	39	•	•	•	•	•	•
a Aberdeen	46	69	9th	42	6th	61·3	46·9	53·6	+ 1·8	3	0·28	7	- 1	Aberdeen ..	7·2	+ 0·9	41	0	37	•	•	49·7	+0·6
a Balmoral	930	66	9th	35	3rd	59·3	40·9	49·5	- 1·1	4	0·57	14	+ 5	Balmoral ..	•	•	•	0	31	•	•	•	•
p Crieff	432	67	9th	41	5th	59·1	44·0	51·0	- 2·9	3	0·80	20	+ 9	Crathes	6·6	+ 0·6	38	0	31	54·1†	+0·1	49·8	0·0
a Dundee	244	66	9th	40	3, 5	60·1	44·1	51·5	—	4	0·55	14	+ 6	Dundee	5·1	—	30	0	34	53·0	•	•	•
a Leith	18	68	8th	48	5, 6	61·9	49·4	55·2	+ 1·3	3	0·43	11	+ 3	Leith	•	•	•	0	241	•	•	•	•
a Edinburgh	441	65	8th	42	6th	61·7	48·4	54·6	—	4	0·30	8	0	Edinburgh ..	6·3	+ 0·1	37	0	36	•	•	•	•
a West Linton	769	63	6, 9	40	7th	60·1	44·7	51·9	+ 1·4	3	1·05	27	—	West Linton ..	4·7	—	28	0	37	•	•	•	•
p Marchmont	498	68	8th	39	6th	62·1	45·0	53·0	+ 1·0	3	0·36	9	- 1	Marchmont ..	5·5	- 0·7	32	0	40	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Poltalloch	132	65	5th	—	—	61·0	—	—	—	4	0·98	25	+ 12										
p Glasgow Observatory	180	64	5, 8, 9	45	5th	60·9	48·6	54·3	- 0·1	5	1·10	28	+ 17	Glasgow.. ..	4·5	- 1·2	27	0	37	•	•	•	•
p Rothesay	170	62	5, 9	43	5th	58·9	47·3	52·7	- 1·6	5	1·22	31	+ 18	Rothesay ..	4·4	—	26	0	37	54·3	•	50·6	-0·7
a Kilmarnock	90	68	6th	41	5th	64·3	49·3	56·3	+ 2·7	4	1·20	30	+ 20	Kilmarnock ..	5·3	—	31	•	•	54·9	•	50·2	•
a Colmonell	170	65	6th	46	5th	61·3	50·0	55·3	+ 2·1	3	1·02	26	+ 15	Colmonell ..	•	•	•	0	41	•	•	•	•
p Cally, Gatehouse ..	120	66	5th	41	5th	60·6	46·1	52·9	- 0·7	4	1·01	26	+ 13	Dumfries ..	5·4	—	32	0	36	56·0	•	52·5	•
a Dumfries	160	66	6th	40	6th	61·0	47·4	53·7	- 1·4	5	0·74	19	+ 9	Eskdalemuir ..	4·6	—	27	0	34	•	•	•	•
a Eskdalemuir	794	62	5, 6, 9	39	6th	58·6	44·1	50·9	—	4	1·20	30	—										
b, I. OF MAN *p* Douglas	277	60	5, 9	45	5th	57·3	48·1	52·4	- 1·5†	4	0·54	14	+ 4	Douglas	6·1	- 1·6	36	0	42	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	68	4, 9	36	6th	63·4	46·3	54·3	+ 1·8	3	0·18	5	- 7										
a Tynemouth	71	65	4th	47	3, 6	60·1	49·0	54·2	+ 1·9	2	0·08	2	- 9	Cockle Park ..	6·1	+ 0·3	36	0	32	55·8	+0·3	51·3	+0·1
p Durham	336	71	8th	38	6th	63·9	44·6	53·6†	+ 0·4	3	0·22	6	- 4	Durham	7·3	+ 1·7	43	1	30	•	•	•	•
a North .. *p* Rounton	249	73	8th	36	6th	65·7	44·9	54·6	+ 1·8	3	0·06	2	- 11	Rounton	•	•	•	0	31	56·0	•	•	•
a West Witton	605	72	8th	41	6th	65·4	46·3	55·2	—	4	0·28	7	—	West Witton ..	•	•	•	0	37	56·8	•	49·2	•
p Scarborough	100	72	5th	45	3rd	67·1	50·3	58·1	+ 4·5	2	0·19	5	- 5	Scarborough† ..	6·7	+ 0·9	40	•	•	•	•	46·9	•
p York	56	75	8th	43	6th	68·4	48·9	58·0	+ 2·5	3	0·35	9	- 2	York	7·4	+ 1·7	44	•	•	56·4	+1·1	51·6	+0·4
b, South .. *a* Spurn Head	26	73	4th	47	3rd	63·4	50·9	56·7	+ 2·8	2	0·47	12	+ 4	Spurn Head ..	6·6	—	40	•	•	•	•	•	•
a Lincoln	58	76	8th	45	3rd	72·1	50·1	60·3	+ 4·1	2	0·03	1	- 10	Lincoln	•	•	•	•	•	60·9	+3·7	53·8	+2·0
a Fulbeck	180	74	7–9	45	3rd	70·3	48·6	58·7	+ 3·1	2	0·05	1	- 10	Rauceby ..	9·2	+ 2·8	56	0	42	61·7	+1·3	52·9	-0·3
														Skegness ..	8·0	+ 1·2	48	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	77	4th	45	3rd	66·6	50·3	57·9	+ 3·3	2	0·07	2	- 10	Cromer	8·9	+ 2·6	54	•	•	•	•	•	•
p Little Massingham ..	280	80	7th	42	3rd	71·1	48·3	58·9	+ 3·2	1	0·12	3	- 12	Lit. Massingham	8·9	+ 2·6	54	0	43	•	•	•	•
a Yarmouth	13	73	8th	45	3rd	67·1	52·3	59·2	+ 4·3	0	0·00	0	- 12	Yarmouth ..	11·2	—	68	0	45	62·0	+0·3	55·1	-1·2
a Norwich	93	81	7th	45	3rd	72·6	51·9	61·5	+ 5·5	2	0·04	1	- 12	Norwich ..	10·6	—	65	0	41	61·6	•	•	•
a Geldeston	37	81	7th	42	3rd	73·3	50 0	60·8	+ 5·4	0	0·00	0	- 12	Geldeston ..	10·8	+ 4·0	66	•	•	•	•	•	•
p Cambridge	41	79	7th	45	5th	73·3	49·0	60·3	+ 3·7	1	0·02	1	- 13	Cambridge ..	9·7	+ 3·2	60	0	36	60·8	+1·8	54·8	+0·3
a Clacton-on-Sea ..	54	71	8th	49	3rd	66·4	53·7	59·6	+ 4·0	1	0·01	0·2	- 10	Clacton	11·3	+ 4·1	69	0	46	60·8	+2·7	55·3	+0·3
a Rothamsted	424	76	5, 7	42	3rd	71·6	48·1	59·0	+ 3·5	2	0·11	3	- 12	Rothamsted ..	8·9	+ 2·5	55	0	32	57·9	•	•	•
p Tottenham	51	79	7th	45	5th	73·1	51·6	61·6	+ 5·3	1	0·07	2	—	Tottenham ..	9·6	—	60	0	46	•	•	56·2	+1·1
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	70	8th	42	6th	64·9	46·4	55·0	+ 1·1	3	0·42	11	- 4	Harrogate ..	7·4	+ 1·1	44	0	38	54·8	+2·0	52·4	+1·4
p Sheffield	429	72	8th	45	3rd	66·9	48·6	57·1	—	3	0·48	12	—	Sheffield.. ..	5·9	0·0	35	0	40	56·2	+1·4	50·1	+0·5
p Buxton	987	69	8th	42	9th	63·9	45·4	54·0	+ 2·4	2	0·54	14	- 6	Buxton	6·4	—	39	0	41	55·5	+0·2	49·2	0·0
b, East .. *a* Bawtry	65	76	8th	43	9th	70·4	47·0	57·9	+ 1·8	3	0·36	9	- 3	Worksop ..	6·7	+ 1·2	40	0	35	57·4	•	53·2	•
a Nottingham	82	74	4, 7	44	3rd	69·1	49·0	58·4	+ 2·2	2	0·32	8	- 4	Nottingham ..	7·7	+ 1·8	47	0	38	58·5	+0·9	53·1	+0·5
p Birmingham, Edgbsn.	535	72	4th	46	3rd	67·6	48·9	57·6	+ 1·6	1	0·78	20	+ 6	Birmingham ..	7·1	+ 2·2	43	0	36	52·7	-0·2	48·4	- 0·5
a Raunds	203	77	4th	43	3rd	71·4	48·0	58·9	+ 2·4	2	0·04	1	- 11	Raunds	•	•	•	0	35	59·1	•	51·2	•
p Oxford	208	77	5th	47	3, 9	71·7	49·6	59·9	+ 2·9	1	0·06	2	- 12	Oxford	10·0	+ 3·6	61	0	41	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.) ..	646	72	8th	43	3rd	68·1	46·9	56·8	+ 2·2	3	0·77	20	+ 4	Cheadle	•	•	•	0	43	•	•	•	•
p Shrewsbury	191	73	4th	44	9th	68·7	47·6	57·4	+ 1·4	1	0·15	4	- 8	Shrewsbury ..	•	•	•	0	34	•	•	•	•
a Hereford§	291	73	5th	41	9th	70·0	46·3	57·3	+ 0·8	2	0·24	6	- 7	Malvern§ ..	9·6	—	59	0	33	59·6	•	55·0	•
a Clifton	229	78	5th	48	9th	71·6	51·3	60·7	+ 2·5	3	0·31	8	- 10	Clifton	10·0	—	61	0	46	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	77	5th	42	5th	70·6	46·0	57·4	+ 2·1	2	0·69	18	+ 1	Worthing	11·4	+ 4·0	71	0	41	62·3	+1·4	55·3	+0·5
p Salisbury (Wilton) ..	180	80	5th	41	3rd	74·0	46·1	59·1	+ 2·1	1	0·09	2	- 15	Marlborough ..	9·7	+ 3·8	60	0	36	59·6	•	53·0	•
a Wisley, Surrey ..	150	79	5th	45	3, 4	72·6	49·0	60·0	+ 3·3	1	0·06	2	- 11	Salisbury	•	•	•	0	32	61·6	•	•	•
a Tunbridge Wells ..	354	78	5th	43	3rd	72·3	49·0	59·8	+ 3·3	1	0·22	6	- 9	Wisley	9·9	+ 3·3	61	0	35	59·8	+1·0	54·1	-0·3
a Margate	53	78	7th	47	3rd	69·9	53·3	61·0	+ 4·2	1	0·04	1	- 12	Tunbridge Wells	10·2	+ 3·6	63	0	32	60 5	-0·3	54·7	•
														Margate	11 2	+ 4·8	70	0	41	64·1	+6·0	57·6	+3·5
a Dungeness	21	70	4, 9	48	5th	65·3	52·3	58·4	+ 2·3	1	0·02	0·4	- 11	Dover	12·2	—	76	0	35	•	•	•	•
p St. Leonards	178	73	5, 6	47	3rd	69·3	53·1	60·6	+ 4·0	1	0·28	7	- 6	St. Leonards ..	11·6	+ 4·3	72	0	41	63·2	•	55·3	•
p Southampton	64	76	5, 6	46	3rd	71·7	51·0	60·6	+ 2·2	1	0·07	2	- 13	Southampton ..	11·6	+ 4·8	72	0	39	•	•	•	•
a Ventnor	59	72	5th	48	4th	67·9	52·3	59·6	+ 2·2	1	0·07	2	- 12	Ventnor	11·1	+ 4 2	69	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	79	7th	47	4th	72·7	51·6	61·4	+ 3·7	1	0·04	1	- 15	Richmond ..	9 1	+ 2·7	57	0	36	60·1	+1·7	54·1	+0·8
a Westminster	27	79	5, 7	48	3, 4	73·3	52·0	61·9	+ 3·6	1	0·04	1	- 13	Westminster ..	8 9	+ 3·3	55	0	36	•	•	•	•
a Greenwich	155	83	7th	45	4th	75·6	50·0	61·9	+ 4·8	1	0·04	1	- 10	Greenwich ..	10·3	+ 3·9	64	0	34	•	•	•	•
a Hampstead	450	76	7th	44	3rd	70·7	49·9	59·6	—	1	0·03	1	—	Hampstead ..	9·2	..	57	0	35	•	•	•	•
a Camden Square ..	110	83	7th	48	4th	76·9	53·3	64·3	+ 4·9	1	0·04	1	- 14	Camden Square	8·0	+ 2·3	50	0	45	•	•	•	•
7. *a*, ENGLAND, N.W.																							
c Aspatria (Mealsgate)	487	64	6, 7	45	3, 9	60·9	47·3	53·6	- 0·7	4	0·62	16	+ 5	Aspatria.. ..	6·6	- 0·5	39	0	42	54·1	•	50·0	•
p Newton Rigg	559	66	8th	43	6, 9	62·7	45·7	53·6	- 0·3	3	0·59	15	+ 5	Newton Rigg ..	7·9	+ 0·8	47	0	36	56·1	-0·2	50·4	-0·3
p Stonyhurst	377	67	5, 7, 8	45	6, 9	64·1	47·6	55·3	+ 0·6	3	0·95	24	+ 11	Stonyhurst ..	7·7	+ 1·2	46	0	37	•	•	•	•
p Blackpool	66	67	7th	46	9th	63·6	49·6	56·1	+ 1·2	4	1·08	27	+ 18	Blackpool ..	7·9	+ 0·1	48	0	41	57·3	•	50·9	•
a Southport	37	67	6th	45	9th	63·7	49·7	56·2	+ 0·9	2	1·09	28	+ 19	Southport ..	8·6	+ 1·0	52	0	39	59·3	-0·8	55·4	-0·1
														Hoylake ..	8·4	+ 1·4	51	•	•	•	•	•	•
a Liverpool (Eidston) ..	188	68	8th	47	3rd	63·9	50·1	56·5	+ 0·6	3	0·39	10	+ 1	Liverpool ..	8·4	—	51	0	36	•	•	•	•
a Hawarden Bridge ..	22	72	4th	48	8th	65·6	51·7	58·2	+ 1·7	1	0·09	2	- 6	Manchester(City)	6·5	+ 0·6	39	0	39	58·4	+1·4	54·4	+1·8
p Manchester (Whit. Pk.)	126	73	7th	46	3, 9	68·4	50·0	58·6	+ 1·8	3	0·55	14	+ 3	Whitworth Park	7·3	+ 1·7	44	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno ..	71	69	6th	48	9th	62·9	51·3	56·7	+ 0·8	3	0·30	8	- 1	Llandudno ..	7·8	+ 0·2	47	•	•	•	•	•	•
a Holyhead ..	15	71	6th	49	3rd	60·4	50·9	55·3	+ 0·8	3	1·22	31	+ 22	Holyhead ..	8·7	—	52	0	45	•	•	•	•
p Bettws-y-Coed ..	108	70	6th	45	3rd	65·4	49·6	57·0	+ 2·1	3	0 15	4	—	Bettws-y-Coed.	6·3	..	38	•	•	54·1	-1·1	50·0	-0·8
p Aberdovey	22	73	5th	49	5th	64·4	51·4	57·5	—	5	0·32	8	—	Aberdovey ..	7·2	+ 0·1	43	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	75	5th	48	9th	63·3	51·4	56·9	—	4	0·14	4	—	Aberystwyth ..	8·3	+ 1·9	51	*	*	*	*	*	*
a Rhayader	757	69	5th	37	9th	64·7	45·3	54·3	—	3	0·17	4	—	Rhayader ..	6·6	—	41	1	30	*	*	*	*
a St. Ann's Head	149	70	5th	47	5th	59·7	49·7	54·4	- 0·5	5	1·11	28	+ 16	St. Ann's Head ..	9·2	+ 2·0	56	*	*	*	*	*	*
p Cardiff	202	73	5th	45	9th	67·7	49·0	57·7	+ 1·0	4	0·27	7	- 8	Cardiff	8·7	—	54	0	34	60·0	+0·4	53·5	-0·2
b, ENGLAND, S.W.																							
a Bath	66	75	6th	45	3,4	70·7	48·6	58·9	+ 1·8	1	0·13	3	- 10	Bath	*	*	*	*	*	60·3	+0·8	55·0	-0·2
a Shaftesbury	722	75	5th	46	4th	69·1	50·3	59·1	+ 3·5	1	0·11	3	- 10	Shaftesbury ..	*	*	*	*	*	59·8	*	53·6	*
a Arlington	613	72	6th	42	9th	67·3	47·9	56·9	+ 1·9	3	0·62	16	- 3										
a Newquay	190	75	5th	44	9th	64·9	50·1	57·0	+ 1·0	3	0·56	14	+ 3	Newquay ..	9·6	+ 2·4	60	*	*	58·7	*	53·0	*
a Cullompton	202	80	5th	41	3rd	72·4	47·9	59·3	+ 2·4	2	0·06	2	- 11	Cullompton ..	8·6	+ 2·1	53	0	35	60·0	*	*	*
a Portland Bill	19	64	5th	50	3,4	59·3	51·6	55·2	- 0·9	2	0·31	8	0	Weymouth ..	11·1	—	69	*	*	*	*	*	*
p Plymouth	116	72	5th	47	9th	65·7	51·9	58·3	+ 1·0	3	0·30	8	- 4	Plymouth ..	9·5	+ 2·5	59	0	42	61·4	+1·2	54·7	*
a Falmouth	167	68	5th	46	9th	63·7	50·9	56·9	+ 0·4	2	0·32	8	- 5	Falmouth ..	8·9	+ 1·5	56	0	35	59·9	*	55·8	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	61	8th	47	3-5	58·1	48·4	52·9	- 0·3	5	0·99	25	+ 15	Malin Head ..	3·8	- 2·1	22	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	66	6th	44	5th	58·9	49·0	53·6	- 1·0	6	1·26	32	+ 18	Markree Castle	3·4	—	20	1	30	56·6	*	51·5	*
{ *p* Markree Castle ..	122	68	6th	32	5th	64·1	44·6	53·7	- 0·2	6	0·94	24	+ 10										
b, East .. { *p* Armagh	196	64	4,7	39	5th	62·1	47·9	54·5	0·0	5	0·74	19	+ 7	Armagh	3·9	- 2·0	23	0	32	54·6	-2·6	51·0	-1·7
{ *a* Donaghadee	101	62	8th	46	3,5	58·6	47·9	52·9	- 0·9	4	0·92	23	+ 11										
10. IRELAND, S.																							
p Dublin, City	47	67	4,7	49	3rd	64·1	51·6	57·4	+ 0·8	5	0·43	11	+ 1	Dublin City ..	*	*	*	0	45	*	*	*	*
a Birr Castle	175	65	5,7	44	8th	62·1	48·1	54·6	- 0·6	6	0·44	11	- 1	Trinity Coll. ..	*	*	*	0	42	57·4	+0·3	53·1	-0·2
a Kilkenny	212	66	5th	44	3rd	64·0	49·9	56·5	+ 1·0	5	0·23	6	- 6	Phœnix Park ..	6·9	+ 0·2	42	0	39	*	*	*	*
a Waterford	20	67	5th	48	3,8	62·3	51·0	56·3	+ 0·1	4	0·26	7	- 6	Birr Castle ..	3·3	- 2·5	20	0	36	*	*	*	*
a Seskin, Carrick-on-Suir	541	66	5th	46	3,9	61·6	49·3	55·0	—	3	0·14	4	—	Seskin	4·5	—	27	0	36	*	*	*	*
a Cahir	199	66	5th	40	8th	63·3	48·6	55·4	- 0·2	2	0·09	2	—										
a Foynes	50	65	5th	46	8th	62·9	50·6	56·3	+ 0·3	3	0·29	7	- 6										
a Cahirciveen (Val. Obs.)	30	65	5,6	48	3rd	60·4	52·1	56·0	+ 0·4	6	0·77	20	+ 3	Cahirciveen ..	1·6	- 5·1	10	0	46	*	*	*	*
a Killarney	174	68	6th	49	8th	63·6	52·9	57·9	+ 2·0	6	0·40	10	- 5	Ballinacurra ..	3·2	- 3·5	20	*	*	*	*	*	*
a Roche's Point	32	62	5,9	48	3,8	59·7	50·6	54·8	- 0·9	3	0·08	2	- 12										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	4th	48	3rd	62·7	51·7	56·8	+ 0·8	2	0·06	1	- 11	Scilly	9·2	+ 2·1	58	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	81	5th	48	3rd	71·4	54·4	62·3	+ 4·7	2	0·43	11	- 3	St. Heliers ..	10·6	+ 3·3	67	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	74	4th	49	3rd	69·3	53·1	60·6	+ 3·4	2	0·18	5	- 8	Guernsey† ..	11·1	+ 3·6	70	0	42	61·3	+1·3	56·0	+0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to **Brooklyn.**

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 9th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.						
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.		
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h. m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	—	6, 7	18	72	70	8	0	SE.	13	6	21	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	2	100	66	0	—	6	6	13	12	6	10 25
Aberdeen	153	105	52	—	—	—	—	29	98	41	0	WNW.	8	5	8	12	6	14 25
Edinburgh	485	39	31	—	—	3	2	58	93	15	0	WSW.	12	3	23	21	3	23 10
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	3, 4	7	64	83	14	0	SW. by W.	14	4	1	19	4	1 0
Paisley	188	81	52	—	—	—	—	10	130	28	0	SW. by S.	7	3	17	17	3	18 45
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	17	117	34	0	SE. by S.	7	6	15	12	3	9 25
South Shields	72	61	12	—	—	—	—	15	104	49	0	SE. by S.	8	6	16	13	4	16 10
Spurn Head	66	40	‡	—	—	—	—	45	103	20	0	—	9	6	13	12	3	18 10
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	6	11	41	87	29	0	E.	12	6	23	—	—	— —
Gorleston	52	42	‡	—	—	—	—	86	64	18	0	—	11	4	13	13	6	22 15
Shoeburyness	103	90	‡	—	—	5, 6	3	58	103	4	0	E.	11	5	16	14	5	17 30
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	—	—	31	67	69	1	SW. by W.	8	3	14	14	3	14 25
5. ENGLAND, S.E.																		
Dover	271	40	‡	—	—	—	—	46	54	56	12	—	10	3	11	13	3	11 20
Warlingham	642	33	‡	—	—	—	—	15	106	43	4	—	7	6	1	14	6	8 35
Brighton	261	53	6	—	—	—	—	30	114	24	0	—	11	5	23	17	5	23 25
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	40	91	37	0	E. by N.	10	5	22	16	5	22 15
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	2	94	72	0	SSW.	6	3	19	12	3	18 10
Fleetwood (Cup Anr.) ..	109	44	—	—	—	3	1	70	90	7	0	SW. by S.	12	3	17	—	—	— —
Southport	80	62	48	—	—	—	—	74	90	4	0	WSW.	10	3	1	15	3	18 30
Holyhead	60	40	‡	—	—	3 to 5	16	99	49	4	0	S. by W	13	3	12	20	3	11 55
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	—	—	3, 5, 6	22	31	64	51	0	ENE.	14	6	2	19	6	1 30
Plymouth	185	88	2	—	—	—	—	27	56	85	0	—	9	6	1	14	5	23 35
Lyme Regis	556	61	‡	—	—	—	—	9	41	118	0	—	8	6	1	12	6	1 20
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	57	91	20	0	SW. by S.	10	4	3	—	—	— —
Quilty	100	40	‡	—	—	3, 6 to 8	22	103	40	3	0	—	16	6	9	22	6	8 30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	3	6	76	77	9	0	S.W. by S.	12	3	10	19	3	9 45
Weaver Pt.	160	30	‡	—	—	3	1	33	75	4	55	—	11	3	11	16	3	10 45
11. ENGLISH CHANNEL.																		
Scilly	150	32	‡	—	—	5	1	17	54	96	0	ESE.	11	5	16	16	5	16 30

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-THIRD WEEK of 1917—June 3rd to June 9th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	69	43	87·7	81·8	84·6	+ 0·9	76	+ 9	0	0	4	+ 1	0·69	17	+ 5	4·7	−0·9	27	1018
Eastern.																			
1. SCOTLAND, EAST ...	72	35	89·3	80·5	84·6	+ 0·3	76	+ 1	0	0	3	0	0·62	16	+ 7	6·2	+0·1	36	1019
2. ENGLAND, N.E.	76	36	91·9	82·0	86·6	+ 1·5	102	+ 20	0	0	2	− 1	0·18	5	− 6	7·5	+1·4	45	1021
3. ENGLAND, EAST ...	81	42	94·4	83·3	88·5	+ 2·2	125	+ 28	0	0	1	− 2	0·05	14	+ 1	9·9	+3·2	61	1021
4. MIDLAND COUNTIES ...	78	41	93·8	81·9	87·4	+ 1·1	112	+ 15	0	0	2	− 1	0·35	9	− 5	7·8	+1·7	48	1021
5. ENGLAND, S.E.	80	41	94·4	83·2	88·4	+ 1·6	125	+ 21	0	0	1	− 2	0·16	4	− 10	10·8	+3·9	67	1021
Western.																			
6. SCOTLAND, WEST ...	68	40	88·9	81·9	85·2	− 0·1	83	− 5	0	0	4	+ 1	0·98	25	+ 13	5·3	−0·4	31	1019
7. ENGLAND, N.W.	73	43	90·7	82·7	86·4	+ 0·6	99	+ 8	0	0	3	0	0·60	15	+ 5	7·5	+0·7	45	1020
8. ENGLAND, S.W.	80	37	91·9	82·6	86·9	+ 0·5	106	+ 7	0	0	3	0	0·34	9	− 5	8·7	+1·9	54	1021
9. IRELAND, NORTH ...	68	32	88·9	81·7	85·1	− 0·2	82	− 3	0	0	5	+ 2	0·88	22	+ 9	3·7	−2·2	22	1016
10. IRELAND, SOUTH ...	68	40	89·9	83·3	86·4	+ 0·2	99	+ 2	0	0	4	+ 1	0·33	8	− 6	3·8	−2·6	23	1018
11. ENGLISH CHANNEL ...	81	48	92·9	84·7	88·5	+ 1·7	125	+ 22	0	0	2	− 1	0·22	6	− 7	10·3	+3·0	65	1021

THE SEASON (Summer).—Aggregates, &c., for the Period of 1 Week, June 3rd to June 9th, 1917.

0. SCOTLAND, NORTH ...	69	43	87·7	81·8	84·6	+ 0·9	76	+ 9	0	0	4	+ 1	0·69	17	+ 5	4·7	−0·9	27	1018
Eastern.																			
1. SCOTLAND, EAST ...	72	35	89·3	80·5	84·6	+ 0·3	76	+ 1	0	0	3	0	0·62	16	+ 7	6·2	+0·1	36	1019
2. ENGLAND, N.E.	76	36	91·9	82·0	86·6	+ 1·5	102	+ 20	0	0	2	− 1	0·18	5	− 6	7·5	+1·4	45	1021
3. ENGLAND, EAST ...	81	42	94·4	83·3	88·5	+ 2·2	125	+ 28	0	0	1	− 2	0·05	14	+ 1	9·9	+3·2	61	1021
4. MIDLAND COUNTIES ...	78	41	93·8	81·9	87·4	+ 1·1	112	+ 15	0	0	2	− 1	0·35	9	− 5	7·8	+1·7	48	1021
5. ENGLAND, S.E.	80	41	94·4	83·2	88·4	+ 1·6	125	+ 21	0	0	1	− 2	0·16	4	− 10	10·8	+3·9	67	1021
Western.																			
6. SCOTLAND, WEST ...	68	40	88·9	81·9	85·2	− 0·1	83	− 5	0	0	4	+ 1	0·98	25	+ 13	5·3	−0·4	31	1019
7. ENGLAND, N.W.	73	43	90·7	82·7	86·4	+ 0·6	99	+ 8	0	0	3	0	0·60	15	+ 5	7·5	+0·7	45	1020
8. ENGLAND, S.W.	80	37	91·9	82·6	86·9	+ 0·5	106	+ 7	0	0	3	0	0·34	9	− 5	8·7	+1·9	54	1021
9. IRELAND, NORTH ...	68	32	88·9	81·7	85·1	− 0·2	82	− 3	0	0	5	+ 2	0·88	22	+ 9	3·7	−2·2	22	1016
10. IRELAND, SOUTH ...	68	40	89·9	83·3	86·4	+ 0·2	99	+ 2	0	0	4	+ 1	0·33	8	− 6	3·8	−2·6	23	1018
11. ENGLISH CHANNEL ...	81	48	92·9	84·7	88·5	+ 1·7	125	+ 22	0	0	2	− 1	0·22	6	− 7	10·3	+3·0	65	1021

THE YEAR 1917.—Aggregates, &c., for the Period of 23 Weeks, December 31st, 1916, to June 9th, 1917.

0. SCOTLAND, NORTH ...	78	10	80·5	74·9	77·6	− 0·8	411	− 98	684	+146	103	− 4	14·87	378	−164	2·9	−0·4	24	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	80·6	73·8	77·1	− 1·3	451	−138	881	+264	83	− 8	10·29	264	− 38	3·3	−0·5	28	1015
2. ENGLAND, N.E.	79	5	81·3	74·8	77·9	− 1·2	589	− 66	781	+309	82	− 1	9·32	239	+ 6	3·4	−0·6	29	1015
3. ENGLAND, EAST ...	81	5	81·9	74·9	78·3	− 1·2	717	− 78	786	+292	75	− 6	7·90	215	− 14	3·9	−0·4	32	1015
4. MIDLAND COUNTIES ...	79	4	82·2	74·5	78·2	− 1·3	734	− 85	831	+309	72	− 8	9·93	254	− 8	3·3	−0·5	27	1015
5. ENGLAND, S.E.	80	4	82·4	75·4	78·8	− 1·4	756	−116	693	+314	67	−12	9·04	231	− 32	4·1	−0·3	35	1015
Western.																			
6. SCOTLAND, WEST ...	79	11	81·4	75·2	78·2	− 1·2	557	−121	663	+247	83	−14	13·71	349	−120	3·3	−0·5	27	1015
7. ENGLAND, N.W.	78	5	81·6	75·3	78·3	− 1·4	634	− 82	703	+321	76	−10	11·57	295	− 34	3·6	−0·3	30	1015
8. ENGLAND, S.W.	80	4	82·2	75·7	78·8	− 1·6	714	−133	619	+318	74	−12	11·86	300	− 78	4·4	+0·1	37	1016
9. IRELAND, NORTH ...	74	7	81·8	75·8	78·7	− 1·2	608	−130	536	+196	93	−12	12·89	329	− 49	3·1	−0·6	26	1015
10. IRELAND, SOUTH ...	77	9	82·9	76·4	79·5	− 1·2	799	−110	501	+241	87	− 6	12·41	317	− 93	3·6	−0·5	30	1016
11. ENGLISH CHANNEL ...	81	22	83·0	77·7	80·3	− 1·4	838	−188	347	+242	78	−14	11·22	285	− 33	4·9	−0·1	41	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : June 14th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 24.

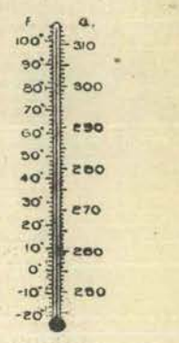
THE TWENTY-FOURTH WEEK OF 1917.

SUNDAY, JUNE 10TH TO SATURDAY, JUNE 16TH.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

There was no great variation in the distribution of pressure during this period, a depression lying outside our western coasts, and an anticyclone occupying the Continental regions. A Southerly type was thus maintained over this country, light breezes prevailing most of the time, but the wind rose to gale force at Blacksod on the 13th, and at Nairn on the 14th. Fine, bright and warm weather was general. On the 12th, 13th and 16th there were thunderstorms in many localities, violent at Markree Castle on the 12th, at Dundee on the 13th, and in and around London on the 16th.



At no time was the weather cold, very few of the night temperatures sinking as low as 278 a., while in numerous instances the minima were as high as 288 a. to 291 a. The afternoon maxima maintained a fairly high level, there being many records of 300 a. and upwards, including 304 a. at Little Massingham on the 16th. Consequently, the results for the whole week were everywhere above the normal, by 1¼ a. over Ireland, and by more than 4 a. over England East. Round our coasts the temperature of the sea surface water continued to increase. It was above the normal along the Channel and off Shetland, but still short of the normal in other localities. On various days mist or fog was reported on many sections of the coasts.

The storm which passed over London on the afternoon of the 16th was very local in its effects, the gauges yielding 33 mm. at Tottenham, 35 mm. at Hampstead, 43 mm. at Richmond, 65 mm. at Kensal Green and 72 mm. at Camden Square but only 7 mm. at Westminster. No rain fell at Greenwich or Herne Hill. In some parts of London large hailstones, flat and about 2 cm. in diameter, were observed.

As a rule the numerous thunderstorms produced very little rain, few places receiving as much as 10 mm., and the only other falls of note were 32 mm. at Blacksod, on the 14th, and 18 mm. at Cahirciveen, on the 15th. Several stations were rainless throughout. For the whole week Ireland North had a little more than the normal, all other Districts a large deficiency, only 8 per cent. of the normal in England North-West, 14 in England South-West and 15 per cent. in Scotland East.

Bright sunshine was about half an hour per day short of the normal over Ireland, elsewhere there was an excess which reached 4¼ hours per day in the Midland Counties. Many districts averaged about ten hours daily.

Solar halos and Visibility were reported on several days.

II.—WIND COMPONENTS.—FREQUENCIES AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency. (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.	Frequency (Max. 7.)	Mean Value.
	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s	days	m/s
South	7	4·7	4	3·2	2	2·9	3	1·8	4	5·0	3	3·4	5	4·1	6	5·4
North	0	—	1	0·9	3	2·8	2	2·4	2	1·4	4	1·6	0	—	0	—
West	2	2·1	3	4·4	1	2·1	3	1·9	4	1·9	3	2·2	2	3·3	1	1·1
East	5	3·6	2	1·7	4	2·0	3	1·8	1	2·2	3	1·6	3	2·1	5	1·1
Calm	0	—	2	—	2	—	1	—	1	—	0	—	2	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Very unusual
	Rainfall ...	Moderate	Light	Light	Light	Light	Moderate	Light	Very light	Light	Moderate	Moderate	Very light
	Sunshine ...	Moderate	Abundant	Very abundant	Very abundant	Very abundant	Abundant	Abundant	Very abundant	Abundant	Moderate	Moderate	Abundant

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 2 weeks from June 3rd, 1917.	Warmth ...	2, 0, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	2, 0, 0
	Rainfall ...	0, 2, 0	1, 0, 1	0, 0, 2	0, 0, 2	0, 1, 1	0, 1, 1	1, 0, 1	0, 1, 1	0, 1, 1	1, 1, 0	0, 2, 0	0, 1, 1
	Sunshine ...	0, 2, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 0, 1	1, 1, 0	2, 0, 0	0, 1, 1	0, 1, 1	2, 0, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(11914—19.) Wt. 153—442. 450. 6/17. D & S. G. 17/ 36.

..—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

EMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

STRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands ..	54	63	12th	47	11, 12	58·9	48·6	53·4	+ 4·7	2	0·08	2	- 8										
a Lerwick	160	63	16th	47	11, 12	57·6	48·7	52·8	—	2	0·12	3	- 8	Deerness ..	6·4	+ 0·6	36	*	*	*	*	*	*
p Deerness	51	73	12th	45	11th	63·4	49·3	55·9	+ 4·4	4	0·72	18	+ 4	Stornoway ..	5·2	- 1·3	29	*	*	*	*	*	*
a Stornoway	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..									
a Castlebay, Barra Isd.																							
b, Mainland.																							
a Wick	81	67	16th	46	11, 12	59·0	48·1	53·2	+ 2·4	1	0·08	2	- 9	Fort Augustus..	5·7	+ 0·7	32	*	*	*	*	*	*
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	75	12th	44	15th	66·9	49·1	57·4	+ 5·1	5	0·98	25	+ 1										
p Fort Augustus.. ..	68	78	12th	41	10th	68·7	47·3	57·3	+ 4·1	4	0·47	12	0										
p Fort William	171	81	12th	45	10th	70·7	49·6	59·4	+ 4·8	5	0·60	15	- 5										
1. SCOTLAND, E.																							
a Nairn	82	73	15th	44	10, 12	68·4	47·3	57·1	+ 4·0	0	0·00	0	- 11	Nairn	8·9	—	50	*	*	*	*	*	*
p Gordon Castle	101	—	—	46	10th	—	49·7	—	—	1	0·11	3	- 9	Gordon Castle..	10·4	—	59	*	*	*	*	*	*
a Aberdeen	46	70	14, 16	46	12th	64·1	49·9	56·5	+ 4·0	1	0·02	0·4	- 10	Aberdeen ..	8·9	+ 2·5	50	0	43	*	*	50·7	+0·8
a Balmoral	930	73	12th	39	10th	68·6	45·3	56·1	+ 4·6	1	0·44	11	- 1	Balmoral ..	*	*	*	0	37	*	*	*	*
p Grieff	432	71	12, 15	44	10, 11	67·6	48·0	57·1	+ 2·3	1	0·01	0	- 16	Crathes	9·7	+ 3·5	56	0	34	57·0	+2·2	50·9	-0·1
a Dundee	244	71	15th	43	12th	66·6	48·4	56·9	—	1	0·43	11	0	Dundee	8·4	—	49	0	38	55·3	*	*	*
a Leith	18	76	15th	47	11, 12	65·4	50·4	57·4	+ 2·7	2	0·06	1	- 9	Leith	*	*	*	0	43	*	*	*	*
a Edinburgh	441	72	15th	45	12th	65·3	50·3	57·3	—	0	0·00	0	- 12	Edinburgh ..	7·4	+ 1·0	43	0	43	*	*	*	*
a West Linton	769	71	12, 13	40	10th	67·3	45·3	55·5	+ 4·2	0	0·00	0	—	West Linton ..	6·4	—	37	0	36	*	*	*	*
p Marchmont	498	75	13, 15	43	12th	69·6	47·7	57·9	+ 5·1	1	0·06	2	- 12	Marchmont ..	9·3	+ 2·8	54	0	45	*	*	*	*
6. a, SCOTLAND, W																							
a Poltalloch	152	78	12th	—	—	68·6	—	—	—	3	0·31	8	- 9										
p Glasgow Observatory	180	71	15th	47	10th	67·9	51·4	59·1	+ 4·2	3	0·14	4	- 11	Glasgow.. ..	7·4	+ 1·6	43	0	37	*	*	*	*
p Rothesay	170	70	12th	47	10, 11	64·7	49·3	56·5	+ 1·7	4	0·08	2	- 16	Rothesay ..	6·8	—	40	0	42	57·1	*	51·6	-0·6
a Kilmarnock	90	77	12th	45	10th	72·0	49·9	60·2	+ 6·1	3	0·22	6	- 8	Kilmarnock ..	9·1	—	53	*	*	58·3	*	51·6	*
a Colmonell	170	79	12th	41	11th	68·9	51·1	59·4	+ 5·9	0	0·00	0	- 15	Colmonell ..	*	*	*	0	36	*	*	*	*
p Cally, Gatehouse ..	120	80	12th	40	10th	69·6	47·9	58·0	+ 3·9	1	0·28	7	- 10	Dumfries ..	10·0	—	59	0	38	60·1	*	54·0	*
a Dumfries	160	76	11, 12	46	10th	69·3	51·4	59·7	+ 3·9	2	0·10	3	- 11	Eskdalemuir ..	10·7	—	63	0	32	*	*	*	*
a Eskdalemuir	794	73	11th	38	10th	67·9	46·3	56·4	—	2	0·08	2	—										
b. I. OF MAN p Douglas	277	73	12th	46	10th	65·1	50·4	57·2	+ 2·9	1	0·05	1	- 13	Douglas	10·0	+ 2·2	59	0	42	*	*	*	*
2. ENGLAND, N.E.																							
a North ..	210	75	16th	45	10, 12	67·7	49·0	57·7	+ 4·5	1	0·20	5	- 6										
a Alnwick Castle ..	71	72	16th	47	12, 13	63·1	48·9	56·0	+ 3·0	2	0·28	7	- 3	Cockle Park ..	9·5	+ 3·4	56	0	41	60·0	+4·0	52·8	+0·6
a Tynemouth	336	77	13th	45	10, 11, 15	71·0	47·3	58·3	+ 4·4	2	0·23	6	- 4	Durham	9·8	+ 3·9	58	0	?	*	*	*	*
p Durham	249	80	13th	44	11th	72·9	47·1	59·1	+ 5·6	2	0·42	11	- 1	Rounton	*	*	*	0	40	59·4	*	*	*
p Rounton	605	79	15th	43	11th	73·4	48·1	59·9	—	2	0·24	6	—	West Witton ..	*	*	*	0	40	60·2	*	50·4	*
a West Witton	100	72	14, 16	47	11th	67·1	51·0	58·5	+ 4·2	0	0·00	0	- 10	Scarborough† ..	9·2	+ 3·2	54	*	*	*	*	47·9	*
p Scarborough	56	82	13, 15	45	11th	77·3	51·4	63·4	+ 7·2	0	0·00	0	- 11	York	10·5	+ 4·5	63	*	*	59·7	+3·4	53·1	+0·8
p York																							
b, South ..	26	77	16th	47	11th	64·4	52·1	57·8	+ 3·2	1	0·16	4	- 4	Spurn Head ..	10·0	—	60	*	*	*	*	*	*
a Spurn Head	58	83	15, 16	44	12, 14	78·1	48·6	62·3	+ 5·4	0	0·00	0	- 11	Lincoln	*	*	*	*	*	64·7	+7·0	54·6	+1·7
a Lincoln	180	83	16th	45	10th	77·3	51·0	63·2	+ 6·9	0	0·00	0·1	- 10	Rauceby	11·6	+ 4·9	70	0	43	66·1	+5·2	54·7	+0·4
a Fulbeck														Skegness ..	11·1	+ 3·9	67	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	82	13th	49	10th	70·7	53·1	61·3	+ 7·0	0	0·01	0·2	- 11	Cromer	9·8	+ 3·5	59	*	*	*	*	*	*
p Little Massingham ..	280	88	16th	45	10th	78·7	51·6	61·2	+ 8·7	1	0·01	0·3	- 14	Lit. Massingham	11·0	+ 4·7	66	0	48	*	*	*	*
a Yarmouth	13	72	16th	49	10th	67·0	54·6	60·4	+ 5·6	0	0·00	0	- 11	Yarmouth ..	9·8	—	60	0	45	64·4	+2·2	56·9	-0·6
a Norwich	93	85	13th	46	10th	77·6	52·3	64·1	+ 8·4	1	0·02	1	- 11	Norwich ..	11·0	—	67	0	40	64·4	*	*	*
a Geldeston	37	83	16th	43	10th	75·7	49·4	61·6	+ 6·4	0	0·00	0	- 11	Geldeston ..	12·0	+ 5·2	73	*	*	*	*	*	*
p Cambridge	41	84	16th	46	10th	79·0	52·0	64·6	+ 8·2	2	0·15	4	- 9	Cambridge ..	9·9	+ 3·3	60	0	39	63·7	+4·1	56·2	+0·7
a Clacton-on-Sea ..	54	73	16th	49	10th	70·3	54·9	62·1	+ 6·7	0	0·00	0	- 10	Clacton	11·2	+ 4·0	69	0	45	63·4	+4·8	57·1	+1·2
a Rothamsted	424	81	16th	48	10th	76·3	51·1	62·8	+ 7·5	1	0·19	5	- 8	Rothamsted ..	10·2	+ 3·7	63	0	38	61·7	*	*	*
p Tottenham	51	83	16th	53	12th	78·9	56·3	66·8	+ 9·1	1	1·28	33	—	Tottenham ..	9·8	—	60	0	48	*	*	57·7	+1·4
4. MIDLAND COUNTIES.																							
a North ..	479	77	15th	44	10, 11	73·1	48·7	60·1	+ 6·2	1	0·01	0·2	- 11	Harrogate ..	10·5	+ 3·8	63	0	38	57·6	+3·7	53·7	+1·7
a Harrogate	429	79	16th	44	11th	74·6	51·7	62·4	—	2	0·16	4	—	Sheffield	10·6	+ 4·7	63	0	40	59·0	+3·3	51·3	+0·6
p Sheffield	987	76	16th	41	10th	72·4	47·4	59·0	+ 6·0	0	0·00	0	- 15	Buxton	12·5	—	75	0	41	60·9	+5·1	50·6	+0·5
p Buxton																							
b, East ..	65	82	16th	43	10th	77·4	49·6	62·5	+ 6·4	0	0·00	0	- 9	Worksop	11·0	+ 5·3	66	0	37	61·0	*	54·7	*
a Bawtry	82	83	16th	46	10th	76·9	51·1	63·1	+ 7·0	1	0·01	0·2	- 9	Nottingham ..	10·9	+ 4·8	66	0	47	62·4	+4·1	51·8	+1·0
a Nottingham	535	80	16th	47	11th	74·3	54·0	63·4	+ 7·5	1	0·11	3	- 8	Birmingham ..	9·6	+ 4·4	59	0	42	56·2	+2·9	49·4	- 0·2
p Birmingham, Edgbsn. ..	203	85	16th	46	10th	78·3	50·1	63·2	+ 8·8	1	0·07	2	- 7	Raunds	*	*	*	0	36	61·5	*	52·6	*
a Raunds	208	85	16th	50	15th	76·7	53·1	64·1	+ 7·2	1	0·02	1	- 10	Oxford	10·0	+ 3·3	61	0	41	*	*	*	*
p Oxford																							
c. West ..	646	80	16th	46	11th	74·9	51·3	62·3	+ 7·8	1	0·40	10	- 2	Cheadle	*	*	*	0	47	*	*	*	*
a Cheadle (N. Staffs.) ..	191	77	15, 16	44	10, 11	75·1	48·6	60·9	+ 5·0	1	0·18	5	- 5	Shrewsbury ..	*	*	*	0	37	*	*	*	*
p Shrewsbury	291	80	16th	41	15th	74·6	49·0	60·9	+ 4·6	1	0·37	9	- 1	Malvern§ ..	11·4	—	70	0	37	63·6	*	56·8	*
a Hereford§	229	84	16th	52	10th	76·4	55·4	65·2	+ 7·2	0	0·00	0	- 14	Clifton	11·7	—	72	0	50	*	*	*	*
p Clifton																							
5. ENGLAND, S.E.																							
a Marlborough	424	82	16th	43	15th	75·1	48·0	60·6	+ 5·5	1	0·03	1	- 12	Worthing	10·5	+ 2·9	64	0	48	64·6	+3·2	56·8	+0·8
p Salisbury (Wilton) ..	180	85	16th	44	15th	78·4	50·1	63·3	+ 6·5	0	0·00	0	- 12	Marlborough ..	8·8	+ 2·7	54	0	38	62·2	*	54·2	*
a Wisley, Surrey	150	84	16th	48	15th	78·1	52·0	64·1	+ 7·6	2	0·22	6	- 14	Salisbury	*	*	*	0	43	65·3	*	*	*
a Tunbridge Wells ..	354	81	16th	47	10, 15	76·7	52·4	63·7	+ 7·4	0	0·00	0	- 11	Wisley	9·0	+ 2·2	55	0	39	61·8	+2·2	55·3	-0·2
a Margate	53	78	13th	53	10th	69·3	56·4	62·4	+ 5·8	0	0·00	0	- 10	Tunbridge Wells	10·4	+ 3·6	64	0	36	63·1	+2·0	56·3	*
														Margate	9·2	+ 2·7	56	0	48	66·4	+8·0	59·8	+4·7
a Dungeness	21	71	16th	49	15th	66·1	55·0	60·2	+ 4·3	2	0·48	12	+ 3	Dover	10·7	—	66	0	38	*	*	*	*
p St. Leonards	178	79	16th	51	15th	71·4	55·6	63·0	+ 6·6	1	0·84	21	+ 11	St. Leonards ..	11·0	+ 3·5	68	0	49	65·2	*	56·8	*
p Southampton	64	80	16th	50	15th	75·7	54·9	64·6	+ 6·4	0	0·00	0	- 11	Southampton ..	10·9	+ 3·9	67	0	40	*	*	*	*
a Ventnor	59	77	16th	52	15, 16	70·9	54·6	62·2	+ 5·1	1	0·02	0·4	- 10	Ventnor	9·4	+ 2·3	38	*	*	*	*	*	*
LONDON. p Richmond (Kew Obs.)	18	85	16th	52	10th	79·0	54·7	66·0	+ 8·4	1	1·71	43	+ 31	Richmond ..	9·5	+ 3·9	58	0	39	63·0	+3·9	55·2	+0·9
a Westminster	27	83	16th	53	11, 15	78·9	56·1	66·7	+ 8·6	1	0·28	7	- 3	Westminster ..	8·9	+ 3·1	55	0	?	*	*	*	*
a Greenwich	155	85	13th	48	10th	81·1	53·0	66·1	+ 7·4	0	0·00	0	- 12	Greenwich ..	10·6	+ 4·1	65	0	35	*	*	*	*
a Hampstead	450	82	16th	49	11th	76·8	53·7	64·5	—	1	1·39	35	—	Hampstead ..	9·9	—	61	0	40	*	*	*	*
a Camden Square ..	110	86	16th	52	10th	83·4	55·4	68·4	+ 9·1	1	2·86	73	+ 62	Camden Square	8·5	+ 2·6	52	0	49	*	*	*	*
7. a, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	75	11-13	43	10th	70·1	49·4	59·0	+ 4·1	1	0·01	0·2	- 13	Aspatria.. ..	10·9	- 3·4	64	0	41	57·7	*	51·0	*
p Newton Rigg	559	74	11-13	43	10th	71·1	49·0	59·3	+ 4·8	1	0·03	1	- 10	Newton Rigg ..	10·0	+ 2·5	59	0	37	59·2	+2·0	51·6	-0·2
p Stonyhurst	377	76	12th	49	15th	72·1	52·4	61·6	+ 6·4	1	0·14	4	- 12	Stonyhurst ..	9·6	+ 2·8	57	0	44	*	*	*	*
p Blackpool	66	75	12, 15	48	10th	71·7	52·6	61·5	+ 6·1	0	0·00	0	- 11	Blackpool ..	8·7	+ 0·6	52	0	39	59·5	*	51·9	*
a Southport	37	77	12th	48	10th	72·4	52·0	61·5	+ 5·7	1	0·02	0·4	- 11	Southport ..	10·8	+ 2·9	65	0	42	63·4	+2·7	57·1	+0·5
														Hoylake ..	10·1	+ 2·8	60	*	*	*	*	*	*
a Liverpool (Bidston) ..	188	77	12th	51	10th	72·4	54·9	63·0	+ 6·6	1	0·08	2	- 9	Liverpool ..	10·6	—	63	0	37	*	*	*	*
a Hawarden Bridge ..	22	76	11, 12, 16	48	10th	74·6	53·1	63·1	+ 6·1	0	0·00	0	- 10	Manchester(City)	8·9	+ 2·6	53	0	40	61·6	+3·9	55·9	+2·1
p Manchester (Whit. Pk.)	125	80	16th	49	10th	77·6	54·3	65·1	+ 7·8	1	0·01	0·2	- 14	Whitworth Park	9·6	+ 3·7	57	*	*	*	*	*	*
b. NORTH WALES.																							
p Llandudno	71	72	15th	46	10th	68·4	52·3	59·8	+ 3·4	0	0·00	0	- 11	Llandudno ..	10·0	+ 2·1	60	*	*	*	*	*	*
a Holyhead	15	71	12th	48	10th	64·1	51·3	57·3	+ 2·4	1	0·04	1	- 10	Holyhead ..	9·8	—	59	0	44	*	*	*	*
p Bettws-y-Coed ..	148	79	12th	42	14th	73·1	49·9	60·7	+ 5·4	2	0·04	1	—	Bettws-y-Coed.	9·2	—	55	*	*	56·6	+1·0	51·0	-0·6
p Aberdovey	22	—	—	50	10th	—	56·0	—	—	1	0·01	0	—	Aberdovey ..	9·9	+ 2·6	60	*	*	*	*	*	*

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation (from average).	Earth 4 ft. Mean.	Earth 4 ft. Deviation (from average).
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	74	12th	45	10th	66·9	53·4	59·7	—	1	0·02	1	—	Aberystwyth ..	10·4	+ 3·6	63	•	•	•	•	•	•
a Rhayader	757	76	16th	39	10th	70·9	47·1	58·2	—	0	0·00	0	—	Rhayader ..	9·1	—	55	0	33	•	•	•	•
a St. Ann's Head	149	71	11th	46	10th	62·7	50·7	56·3	- 1·5	2	0·02	1	- 10	St. Ann's Head	10·0	+ 2·3	61	•	•	•	•	•	•
p Cardiff	202	80	16th	48	10th	73·6	53·0	62·6	+ 5·9	2	0·23	6	- 9	Cardiff	10·7	+ 3·6	66	0	36	64·1	+4·0	54·9	-0·1
b, ENGLAND, S.W.																							
a Bath	66	83	16th	48	10, 15	75·6	53·1	63·6	+ 6·5	1	0·06	2	- 11	Bath	•	•	•	•	•	62·9	+2·7	56·5	-0·3
a Shaftesbury	722	80	16th	49	10th	72·7	53·9	62·7	+ 7·1	0	0·00	0	- 13	Shaftesbury ..	•	•	•	•	•	63·6	•	55·7	•
a Arlington	613	75	12th	43	10th	71·0	50·7	60·1	+ 5·1	3	0·19	5	- 14										
a Newquay	190	71	15th	48	10, 11	65·0	50·1	57·0	+ 1·1	1	0·03	1	- 11	Newquay ..	9·1	+ 1·5	57	•	•	62·1	•	54·4	•
a Cullompton	202	82	16th	42	10th	76·3	51·3	63·9	+ 6·9	2	0·04	1	- 11	Cullompton ..	10·2	+ 3·4	63	0	38	64·1	•	•	•
a Portland Bill	19	67	18th	52	14th	62·4	54·6	58·2	+ 2·2	1	0·01	0·3	- 8	Weymouth ..	10·7	—	66	•	•	•	•	•	•
p Plymouth	116	75	15th	50	10th	70·1	54·7	61·9	+ 4·6	2	0·05	1	- 11	Plymouth ..	10·7	+ 3·2	66	0	45	65·7	+5·3	56·7	•
a Falmouth	167	74	11th	48	10th	68·4	52·6	60·0	+ 3·6	1	0·02	1	- 12	Falmouth ..	10·0	+ 2·1	62	0	40	63·1	•	57·2	•
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	64	16th	50	13th	61·9	51·4	56·3	+ 2·8	3	0·39	10	- 2	Malin Head ..	4·8	—	28	•	•	•	•	•	•
a Blacksod Point ..	327	66	12th	49	14th	60·0	51·3	55·4	+ 0·4	6	1·90	48	+ 33	Markree Castle	3·8	- 2·1	22	0	43	58·6	•	52·3	•
p Markree Castle ..	122	73	12th	49	13th	66·4	51·4	58·4	+ 4·1	5	0·83	21	+ 5										
b, East .. *p* Armagh	196	72	11, 12	45	11th	68·1	50·3	58·6	+ 3·6	3	0·39	10	- 4	Armagh	7·1	+ 1·1	43	0	38	56·8	-1·0	52·0	-1·5
a Donaghadee	101	68	14th	46	11th	63·6	49·3	56·0	+ 1·8	2	0·05	1	- 12										
10. IRELAND, S.																							
p Dublin, City	47	71	16th	49	10th	68·3	54·1	60·7	+ 3·6	0	0·00	0	- 9	Dublin City ..	•	•	•	0	45	•	•	•	•
a Birr Castle	175	74	12th	46	11, 12	67·7	48·3	57·3	+ 1·6	2	0·41	10	- 1	Trinity Coll. ..	•	•	•	0	40	59·7	+1·7	54·3	+0·1
a Kilkenny	212	72	12th	41	11th	67·9	48·4	57·5	+ 1·6	2	0·06	2	- 9	Phœnix Park ..	8·6	+ 2·0	52	0	32	•	•	•	•
a Waterford	20	72	12th	44	11th	66·6	50·9	58·2	+ 1·5	1	0·04	1	- 11	Birr Castle ..	4·5	- 1·2	27	0	39	•	•	•	•
a Seskin, Carrick-on-Suir	541	70	11, 12	46	10, 11	64·9	49·4	56·6	—	3	0·22	6	—	Seskin	6·0	—	37	0	35	•	•	•	•
a Cahir	198	72	12th	41	11th	66·6	49·3	57·4	+ 1·4	3	0·11	3	—										
a Foynes	50	70	12th	49	13th	65·6	52·0	58·3	+ 2·0	3	0·43	11	- 1										
a Cahirciveen (Val. Obs.)	30	64	12th	52	10, 12	61·3	53·7	57·2	+ 1·3	5	1·23	31	+ 16	Cahirciveen ..	3·2	- 3·4	20	0	50	•	•	•	•
a Killarney	174	74	12th	52	12th	67·4	55·0	60·8	+ 4·5	5	0·50	13	0	Ballinacurra ..	6·0	- 0·6	37	•	•	•	•	•	•
a Roche's Point	32	63	16th	48	11th	62·0	52·0	56·7	+ 0·6	6	0·19	5	- 7										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	67	15th	49	10th	64·7	53·6	58·8	+ 2·5	0	0·00	0·1	- 8	Scilly	11·0	+ 2·9	68	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	83	16th	49	11th	73·4	55·3	63·7	+ 5·8	0	0·00	0	- 10	St. Heliers ..	8·1	- 0·1	51	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	77	15th	52	10, 11	71·6	55·4	62·9	+ 5·4	1	0·02	0·4	- 8	Guernsey† ..	9·7	+ 1·3	61	0	45	63·7	+2·9	57·6	+0·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 16th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.						
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s	No Record.	Highest Hourly Wind.			Highest Gust.			
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	—	9, 13, 14	6	101	58	3	0	W. by S.	12	14 9	—	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	10	88	70	0	—	8	14 13	17	14	13	5
Aberdeen	153	105	52	—	—	—	—	24	106	38	0	SW. by S.	10	14 14	18	14	14	45
Edinburgh	485	39	31	—	—	—	—	49	72	47	0	SSW.	10	15 24	17	14	8	10
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	13, 14	7	59	63	39	0	S. by W.	13	13 20	19	13	19	55
Paisley	188	81	52	—	—	—	—	25	102	41	0	SW. by S.	8	15 16	19	14	7	5
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	8	80	81	0	SW. by W.	8	14 10	14	14	9	40
South Shields	72	61	12	—	—	—	—	4	68	96	0	SSE.	7	10 11	10	14	1	40
Spurn Head	66	40	‡	—	—	—	—	22	111	35	0	—	7	11 24	13	13	17	40
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	12	114	42	0	NE. by E.	8	11 16	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	41	75	34	18	—	8	10 12	11	10	16	35
Shoeburyness	103	90	‡	—	—	—	—	8	123	37	0	E	7	11 13	10	4	4	15
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	—	—	1	107	60	0	SW. by W.	6	13 16	11	13	16	5
5. ENGLAND, S.E.																		
Dover	271	40	‡	—	—	—	—	30	62	53	23	—	8	10 11	12	10	10	50
Warlingham	642	33	‡	—	—	—	—	—	102	66	0	—	5	14 15	9	10	9	45
Brighton	261	53	6	—	—	—	—	11	108	49	0	—	7	11 4	12	11	3	45
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	4	125	39	0	NE.	7	16 18	13	16	17	35
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	—	41	127	0	WSW.	5	14 13	9	14	12	25
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	23	116	29	0	SW. by S.	8	14 1	—	—	—	—
Southport	80	62	48	—	—	14	1	33	124	10	0	WSW.	11	14 5	15	14	5	50
Holyhead	60	40	‡	—	—	—	—	84	77	7	0	S.	11	13 17	16	13	14	55
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	—	—	—	—	18	65	85	0	SSW.	11	13 15	14	13	14	55
Plymouth	185	88	2	—	—	—	—	2	61	105	0	—	6	15 11	9	15	10	40
Lyme Regis	556	61	‡	—	—	—	—	—	17	151	0	—	5	13 14	8	13	13	45
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	42	79	47	0	S.W. by S.	10	13 21	—	—	—	—
Quilty	100	40	‡‡‡	—	—	13 to 15	18	69	57	24	0	—	13	15 8	21	13	11	55
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	13, 15	2	84	35	15	32	S.	12	13 10	19	13	9	45
Weaver Pt.	160	30	‡	—	—	13	1	53	93	21	0	—	11	13 15	20	13	13	5
11. ENGLISH CHANNEL.																		
Scilly	150	32	‡	—	—	—	—	2	32	133	1	SSW.	6	13 13	10	13	13	20

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FOURTH WEEK of 1917—June 10th to June 16th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	81	41	91·1	82·3	86·4	+ 2·3	99	+ 27	0	− 1	4	0	0·49	12	− 4	5·8	+0·1	33	1018
Eastern.																			
1. SCOTLAND, EAST ...	76	39	92·6	81·7	86·8	+ 2·0	104	+ 24	0	0	1	− 2	0·09	2	− 11	8·8	+2·5	50	1019
2. ENGLAND, N.E.	83	44	94·7	82·8	88·3	+ 2·9	123	+ 37	0	0	1	− 2	0·14	4	− 6	10·3	+3·9	62	1021
3. ENGLAND, EAST ...	88	43	96·8	84·6	90·3	+ 4·1	148	+ 52	0	0	1	− 2	0·18	5	− 7	10·5	+3·7	64	1020
4. MIDLAND COUNTIES ...	85	41	97·3	83·6	89·9	+ 3·7	144	+ 47	0	0	1	− 2	0·12	3	− 7	10·6	+4·2	65	1020
5. ENGLAND, S.E.	85	43	96·4	84·9	90·2	+ 3·5	147	+ 44	0	0	1	− 2	0·33	8	− 2	9·9	+2·8	61	1020
Western.																			
6. SCOTLAND, WEST ...	80	40	93·1	83·1	87·8	+ 2·2	116	+ 27	0	0	2	− 1	0·15	4	− 13	8·7	+1·9	51	1020
7. ENGLAND, N.W.	80	42	95·0	84·1	89·1	+ 3·0	133	+ 39	0	0	1	− 2	0·04	1	− 11	9·9	+2·8	60	1020
8. ENGLAND, S.W.	83	39	94·3	84·2	88·9	+ 2·5	131	+ 32	0	0	1	− 2	0·06	2	− 12	9·9	+2·7	61	1020
9. IRELAND, NORTH ...	74	45	91·1	83·2	86·9	+ 1·3	105	+ 16	0	0	4	0	0·66	17	+ 2	5·5	−0·5	32	1016
10. IRELAND, SOUTH ...	74	41	91·8	83·9	87·6	+ 1·2	114	+ 14	0	0	3	0	0·33	8	− 4	5·6	−0·7	34	1018
11. ENGLISH CHANNEL ...	83	49	94·1	85·7	89·6	+ 2·7	139	+ 33	0	0	0	− 3	0·00	0	− 8	9·6	+1·4	60	1020

THE SEASON (Summer).—Aggregates, &c., for the Period of 2 Weeks, June 3rd to June 16th, 1917.

0. SCOTLAND, NORTH ...	81	41	89·4	82·1	85·5	+ 1·6	175	+ 36	0	− 1	8	+ 1	1·18	29	+ 1	5·3	−0·3	30	1018
Eastern.																			
1. SCOTLAND, EAST ...	76	35	91·0	81·1	85·7	+ 1·1	180	+ 25	0	0	4	− 2	0·71	18	− 4	7·5	+1·3	43	1019
2. ENGLAND, N.E.	83	36	93·3	82·4	87·5	+ 2·2	225	+ 57	0	0	3	− 3	0·32	9	− 12	8·9	+2·6	53	1021
3. ENGLAND, EAST ...	88	42	95·6	84·0	89·4	+ 3·1	273	+ 80	0	0	2	− 4	0·23	19	− 6	10·2	+3·5	62	1021
4. MIDLAND COUNTIES ...	85	41	95·6	82·8	88·7	+ 2·4	256	+ 62	0	0	3	− 3	0·47	12	− 12	9·2	+3·0	56	1021
5. ENGLAND, S.E.	85	41	95·4	84·1	89·3	+ 2·5	272	+ 65	0	0	2	− 4	0·49	12	− 12	10·4	+3·4	64	1021
Western.																			
6. SCOTLAND WEST ...	80	40	91·0	82·5	86·5	+ 1·0	199	+ 22	0	0	6	0	1·13	29	0	7·0	+0·3	41	1020
7. ENGLAND, N.W.	80	42	92·9	83·4	87·8	+ 1·8	232	+ 47	0	0	4	− 2	0·64	16	− 6	8·7	+1·7	53	1020
8. ENGLAND, S.W.	83	37	93·1	83·4	87·9	+ 1·5	237	+ 39	0	0	4	− 2	0·40	11	− 17	9·3	+2·3	57	1021
9. IRELAND, NORTH ...	74	32	90·0	82·5	86·0	+ 0·5	187	+ 13	0	0	9	+ 2	1·54	39	+ 11	4·6	−1·3	27	1016
10. IRELAND, SOUTH ...	74	40	90·9	83·6	87·0	+ 0·7	213	+ 16	0	0	7	+ 1	0·66	16	− 10	4·7	−1·6	28	1018
11. ENGLISH CHANNEL ...	83	48	93·5	85·2	89·1	+ 2·2	264	+ 55	0	0	2	− 4	0·22	6	− 15	10·0	+2·2	62	1021

THE YEAR 1917.—Aggregates, &c., for the Period of 24 Weeks, December 31st, 1916, to June 16th, 1917.

0. SCOTLAND, NORTH ...	81	10	80·9	75·2	78·0	− 0·7	510	− 71	684	+145	107	− 4	15·36	390	−168	3·0	−0·4	25	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	81·1	74·1	77·5	− 1·2	555	−114	881	+264	84	−10	10·38	266	− 49	3·6	−0·3	29	1015
2. ENGLAND, N.E.	83	5	81·8	75·1	78·3	− 1·1	712	− 29	781	+309	83	− 3	9·46	243	0	3·7	−0·4	31	1015
3. ENGLAND, EAST ...	88	5	82·5	75·3	78·8	− 1·0	865	− 26	786	+292	76	− 8	8·08	220	− 21	4·1	−0·3	34	1015
4. MIDLAND COUNTIES ...	85	4	82·8	74·9	78·7	− 1·1	878	− 38	831	+309	73	−10	10·05	257	− 15	3·6	−0·3	29	1016
5. ENGLAND, S.E.	85	4	82·9	75·8	79·3	− 1·2	903	− 72	693	+314	68	−14	9·37	239	− 34	4·4	−0·1	36	1015
Western.																			
6. SCOTLAND, WEST ...	80	11	81·9	75·5	78·6	− 1·1	673	− 94	663	+247	85	−15	13·86	353	−133	3·5	−0·4	29	1016
7. ENGLAND, N.W.	80	5	82·1	75·6	78·8	− 1·2	767	− 43	703	+321	77	−12	11·61	296	− 45	3·9	−0·2	32	1016
8. ENGLAND, S.W.	83	4	82·7	76·1	79·3	− 1·3	845	−101	619	+318	75	−14	11·92	302	− 90	4·6	+0·2	38	1016
9. IRELAND, NORTH ...	74	7	82·2	76·1	79·1	− 1·1	713	−114	536	+196	97	−12	13·55	346	− 47	3·2	−0·6	26	1015
10. IRELAND, SOUTH ...	77	9	83·3	76·7	79·9	− 1·1	913	− 96	501	+241	90	− 6	12·74	325	− 97	3·7	−0·5	31	1016
11. ENGLISH CHANNEL ...	83	22	83·4	78·1	80·7	− 1·2	977	−155	347	+242	78	−17	11·22	285	− 41	5·1	0·0	42	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : June 21st, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 97

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 25.

THE TWENTY-FIFTH WEEK OF 1917.
SUNDAY, JUNE 17TH TO SATURDAY, JUNE 23RD.

Price 6d., Post free 7d
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

A depression of no great depth which at the beginning of the week lay over Iceland, spread slowly over these Islands and the North Sea and caused less settled weather over the country generally, especially in the North.

The mean temperature was about 1 a. below the normal in Scotland and the North of Ireland, but in the East and South it was above the average, by as much as 2½ a. in East Anglia.

The highest readings occurred on the 17th, when the thermometer reached 307 a. at Little Massingham, in Norfolk. There were some low readings for the time of year, however, 274 a. at Balmoral on the 19th and 274⅓ a. on the 17th.

The temperature of the sea was nearly 1 a. below the normal at Wick and at Berwick, and also in the South-West of Ireland, but the water was nearly 1½ a. above the average at Plymouth, and nearly half a degree above in the East and South-East of England.

Thunderstorms were widely distributed, except towards the end of the week, the activity coming to an end with some local storms in the South on the 22nd. On the 17th nocturnal thunderstorms, following upon a very sultry day, were common. A storm at West Witton in the North Riding attained to some violence. Considerable damage was done at Birmingham on the same day.

Rainfall was from 10 mm. to 20 mm. above the normal in Scotland and North-West England and in the Channel. In the remaining districts it was about normal.

Sunshine differed little from the mean, but was something like 20 per cent. in excess in the Channel Islands.

At Oxford solar halos were reported on the 19th, 20th and 22nd.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	3·1	10	3·0	17	2·6	15	2·7	16	3·4	1	1·2	15	2·3	13	2·4
North	13	5·9	13	1·6	3	1·4	6	1·4	9	3·0	25	2·4	7	2·0	10	2·9
West	15	4·3	23	4·0	14	2·6	20	2·2	22	3·0	20	2·9	20	4·3	21	3·4
East	10	2·2	2	2·3	7	1·6	0	—	3	1·9	6	1·2	5	2·2	3	0·6
Calm	1	—	1	—	6	—	7	—	3	—	1	—	2	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Very unusual	Unusual	Unusual	Deficient	Moderate	Moderate	Deficient	Deficient	Unusual
	Rainfall ...	Very heavy	Very heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Very heavy	Moderate	Moderate	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 3 weeks from June 3rd, 1917.	Warmth ...	2, 1, 0	1, 2, 0	3, 0, 0	3, 0, 0	3, 0, 0	3, 0, 0	1, 1, 1	1, 2, 0	1, 2, 0	1, 1, 1	1, 1, 1	3, 0, 0
	Rainfall ...	1, 2, 0	2, 0, 1	0, 1, 2	0, 1, 2	0, 2, 1	0, 2, 1	2, 0, 1	1, 1, 1	0, 2, 1	1, 2, 0	0, 3, 0	1, 1, 1
	Sunshine ...	0, 3, 0	1, 2, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	1, 1, 1	1, 2, 0	2, 1, 0	0, 2, 1	0, 2, 1	2, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(12006—19.) Wt. 153—442. 450. 6/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.									
a, Islands.. *a* Lerwick	54	61	20th	47	22nd	55·9	48·4	51·9	+ 1·9	7	1·15	29	+ 16									
p Deerness	160	59	18, 19, 20	45	23rd	55·4	47·3	51·1	—	6	1·46	37	+ 23	Deerness ..	4·3	- 0·6	24	•	•	•	•	•	•
a Stornoway	51	60	17th	44	20th	56·9	47·1	51·7	- 1·0	7	1·22	31	+ 14	Stornoway ..	6·0	+ 0·6	33	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	•	•	•	•	•	•	•	•	•
b, Mainland. *a* Wick	81	62	18th	42	20th	55·3	46·9	50·8	- 1·3	4	2·48	63	+ 49	Fort Augustus..	4·4	+ 0 2	25	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—									
p Glencarron	500	61	20th	39	20th	55·0	45·1	49·7	- 3·6	6	1·80	46	+ 16									
p Fort Augustus.. ..	68	65	20th	39	20th	59·3	47·7	53·1	- 1·3	5	1·30	33	+ 18									
p Fort William	171	67	20th	41	20th	60·4	47·1	53·3	- 2·3	6	1·59	40	+ 14									
1. SCOTLAND, E.																						
a Nairn	82	67	17th	40	20th	61·0	46·7	53·4	- 0·9	3	1·81	46	+ 33	Nairn	5·7	—	32	•	•	•	•	•	•
p Gordon Castle ..	101	65	17, 18	42	20th	61·1	47·3	53·7	- 0·9	3	2·20	56	+ 40	Gordon Castle..	4·5	—	25	•	•	•	•	•	•
a Aberdeen	46	68	17th	45	23rd	61·7	49·0	54·9	+ 1·1	2	0·87	22	+ 9	Aberdeen ..	5·7	+ 0·2	32	0	35	•	•	52·1	+1·6
a Balmoral	930	65	18th	34	19th	60·0	42·6	50·7	- 1·9	2	1·90	48	+ 33	Balmoral ..	•	•	•	1	30	•	•	•	•
p Crieff	432	69	17th	41	19th	62·3	46·0	53·6	- 2·4	3	0·70	18	- 1	Crathes	4·6	- 0·7	26	1	29	56·2	+1·1	52·0	0·0
a Dundee	244	70	17th	41	22nd	62·9	46·9	54·3	—	3	0·55	14	0	Dundee	6·1	—	35	0	38	57·3	•	•	•
a Leith	18	69	17th	42	22nd	61·9	49·1	55·1	- 0·9	3	0·76	19	+ 6	Leith	•	•	•	0	42	•	•	•	•
a Edinburgh	441	70	17th	45	22, 23	61·1	49·3	54·8	—	3	1·15	29	+ 15	Edinburgh ..	5·9	+ 0·3	34	0	42	•	•	•	•
a West Linton	789	67	17th	39	23rd	59·6	44·3	51·4	- 1·1	3	1·06	27	—	West Linton ..	4·8	—	28	0	32	•	•	•	•
p Marchmont	498	75	17th	40	23rd	64·3	46·6	54·8	+ 0·7	3	0·59	15	- 2	Marchmont ..	5·4	- 0·3	31	0	39	•	•	•	•
6. *a*, SCOTLAND, W																						
a Poltalloch	132	62	17, 19	—	—	58·4	—	—	—	5	1·24	31	+ 7									
p Glasgow Observatory	180	67	17th	47	22nd	59·6	49·3	54·1	- 1·7	4	1·61	41	+ 22	Glasgow.. ..	4·8	0·0	28	0	38	•	•	•	•
p Rothesay	170	65	17th	45	22nd	59·0	47·4	52·8	- 2·9	6	1·51	38	+ 14	Rothesay ..	5·1	—	30	0	41	57·7	•	52·9	0·0
a Kilmarnock	90	69	17, 20	45	22nd	62·9	49·4	55·7	+ 0·7	6	1·49	38	+ 19	Kilmarnock ..	5·8	—	34	•	•	59·3	•	53·4	•
a Colmonell	170	68	17th	46	20, 23	60·6	48·7	54·2	- 0·2	5	1·68	43	+ 24	Colmonell ..	•	•	•	0	40	•	•	•	•
p Cally, Gatehouse ..	120	71	17th	41	23rd	62·9	45·1	53·4	- 1·6	2	1·36	35	+ 12	Dumfries ..	5·8	—	34	0	32	60·7	•	56·0	•
a Dumfries	160	72	17th	44	23rd	61·7	47·6	54·2	- 2·5	2	1·34	34	+ 15	Eskdalemuir ..	5·8	—	34	0	32	•	•	•	•
a Eskdalemuir	794	71	17th	36	17th	60·6	42·3	50·8	—	2	1·19	30	—									
b, I. OF MAN *p* Douglas	277	65	17th	42	23rd	59·7	47·3	53·1	- 2·1	3	0·60	15	- 4	Douglas	6·2	- 0·3	37	0	39	•	•	•	•
2. ENGLAND, N.E.																						
a North .. *a* Alnwick Castle ..	210	72	17, 18	43	23rd	65·6	48·7	56·6	+ 1·7	3	0·41	10	- 6									
a Tynemouth	71	73	18th	44	23rd	63·7	50·9	56·9	+ 2·2	3	0·28	7	- 7	Cockle Park ..	5·8	+ 0·2	34	0	37	60·4	+4·7	54·8	+2·1
p Durham	336	72	17th	41	23rd	65·7	47·3	55·9	+ 0·2	4	0·45	12	- 2	Durham ..	6·7	+ 1·3	39	?	?	•	•	•	•
p Rounton	249	74	17, 18	40	23rd	65·6	49·9	57·2	+ 2·0	5	0·62	16	- 1	Rounton ..	•	•	•	0	33	60·5	•	•	•
a West Witton	605	78	17th	42	23rd	66·1	49·1	57·0	—	4	0·87	22	—	West Witton ..	•	•	•	0	36	61·7	•	52·3	•
p Scarborough	100	72	18th	44	23rd	65·6	52·3	58·5	+ 2·4	4	0·75	19	+ 6	Scarborough† ..	6·0	+ 0·5	35	•	•	•	•	48·0	•
p York	56	83	17th	44	23rd	68·6	52·4	59·9	+ 2·0	5	0·97	25	+ 10	York	5·0	- 0·6	30	•	•	60·7	+4·0	54·8	+1·7
b, South .. *a* Spurn Head	26	72	18th	47	23rd	66·4	54·4	60·0	+ 3·5	2	0·63	16	+ 5	Spurn Head ..	5·9	—	35	•	•	•	•	•	•
a Lincoln	58	—	—	43	23rd	—	51·1	—	—	3	0·14	4	- 10	Lincoln	•	•	•	•	•	67·3	+9·5	57·4	+3·7
a Fulbeck	180	87	17th	41	22nd	72·6	51·1	61·1	+ 3·1	6	0·35	9	- 5	Rauceby ..	6·8	+ 0·5	41	0	?	67·7	+6·6	57·1	+1·7
														Skegness ..	6·5	- 0·2	39	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	87	17th	44	23rd	72·7	54·6	63·0	+ 6·3	4	0·25	6	- 5	Cromer	7·7	+ 1·4	46	•	•	•	•	•	•
p Little Massingham ..	280	93	17th	42	23rd	75·1	51·6	62·5	+ 4·7	1	0·16	4	- 9	Lit. Massingham	6·8	+ 0·6	41	0	39	•	•	•	•
a Yarmouth	13	71	19th	45	23rd	67·3	54·3	60·4	+ 3·2	5	1·30	33	+ 23	Yarmouth ..	7·9	—	47	0	42	66·0	+3·7	58·4	+0·2
a Norwich	93	90	17th	44	23rd	75·3	53·9	63·9	+ 5·8	5	0·23	6	- 5	Norwich ..	8·1	—	49	0	39	65·8	•	•	•
a Geldeston	37	88	17th	42	23rd	74·9	54 0	63·7	+ 6·1	5	1·48	38	+ 28	Geldeston ..	8·2	+ 1·5	49	•	•	•	•	•	•
p Cambridge	41	90	17th	40	23rd	74·0	51·9	62·2	+ 3·4	2	0·15	4	- 8	Cambridge ..	6·3	- 0·2	38	0	32	64·9	+5·0	58·0	+1·8
a Clacton-on-Sea ..	54	79	18th	46	23rd	69·4	56·7	62·6	+ 4·8	4	0·24	6	- 3	Clacton	7·6	+ 0·5	46	0	41	65·6	+6·7	59·0	+2·5
a Rothamsted	424	86	17th	44	23rd	70·4	51·3	60·2	+ 2·5	4	0·16	4	- 8	Rothamsted ..	6·1	- 0·3	37	0	36	62·5	•	•	•
p Tottenham	51	86	17th	49	23rd	72·4	57·4	64·4	+ 6·1	5	0·59	15	—	Tottenham ..	6·7	—	41	0	46	•	•	59·9	+2·8
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	79	17th	40	23rd	64·6	48·9	56·2	+ 0·7	4	0·66	17	+ 2	Harrogate ..	5·8	- 0 2	34	1	30	58·5	+4·1	55·4	+2·8
p Sheffield	429	81	17th	44	23rd	67 3	52·9	59·6	—	5	1·46	37	—	Sheffield.. ..	5·7	+ 0·3	34	0	39	61·1	+4·9	53·1	+1·6
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	•	•	•	•	•	•	•	•	•
b, East .. *a* Bawtry	65	85	17th	41	22nd	71·1	50·1	59·9	+ 2·2	4	0·41	10	- 2	Worksop ..	4·9	- 0·3	29	0	31	61·8	•	56·5	•
a Nottingham	82	87	17th	41	22nd	71·4	51·3	60·7	+ 3·0	5	0·44	11	- 2	Nottingham ..	5·3	- 0·2	32	0	37	63·4	+5·2	57·2	+2·6
p Birmingham, Edgbsn.	535	83	17th	45	23rd	68·4	51·9	59·6	+ 2·1	5	0·95	24	+ 9	Birmingham ..	4 5	- 0·2	27	0	36	57·7	+4·4	50·9	+0·8
a Raunds	203	88	17th	41	23rd	73·4	51·1	61·5	+ 3·4	2	0·10	3	- 9	Raunds	•	•	•	2	30	64·2	•	53·9	•
p Oxford	208	89	17th	44	23rd	71·7	52·6	61·5	+ 3·0	4	0 13	3	- 11	Oxford	5·1	- 1·0	31	0	35	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.) ..	646	79	18th	43	23rd	66·7	50·3	57·9	+ 1·8	5	0·61	16	- 1	Cheadle	•	•	•	0	41	•	•	•	•
p Shrewsbury	191	78	17, 18	44	22nd	67·3	50·3	58 2	+ 0·7	4	0·98	25	+ 12	Shrewsbury ..	•	•	•	0	35	•	•	•	•
p Hereford§	291	83	17th	40	22nd	68·1	49·4	58·1	+ 0·2	5	0·71	18	+ 5	Malvern§ ..	5·6	—	34	0	34	64·9	•	59·2	•
a Clifton	229	87	17th	47	22nd	70·1	54·4	61·7	+ 2·1	3	0·36	9	- 9	Clifton	6 6	—	40	0	44	•	•	•	•
5. ENGLAND, S.E.														Worthing ..	7·5	+ 0·1	46	0	40	65·4	+4·0	58·4	+1·7
a Marlborough	424	86	17th	36	23rd	69·7	47·9	58·0	+ 1·4	4	0·19	5	- 8	Marlborough ..	4·4	- 1·5	27	0	32	61·9	•	55·4	•
p Salisbury (Wilton) ..	180	90	17th	43	23rd	71·4	49·9	59·9	+ 1·5	4	0·74	19	+ 7	Salisbury ..	•	•	•	0	41	65·0	•	•	•
a Wisley, Surrey ..	150	89	17th	42	23rd	73·9	51·3	61·8	+ 3·6	3	0·17	4	- 6	Wisley	6·5	- 0·2	40	0	32	63 4	+3·7	57·0	+0·7
a Tunbridge Wells ..	354	86	17th	42	23rd	71·4	52·3	61·2	+ 3·3	3	0·57	14	+ 2	Tunbridge Wells	6·4	- 0·3	39	0	33	64·0	+2·6	58·3	•
a Margate	53	85	17th	51	22nd	72·7	56·7	64·1	+ 5·8	4	0·90	23	+ 13	Margate	6 2	- 0·1	38	0	47	68·8	+10·0	62·1	+6·3
a Dungeness	21	73	18th	45	23rd	67·4	52·7	59·5	+ 2·0	4	1·27	32	+ 23	Dover	7·3	—	45	0	34	•	•	•	•
p St. Leonards	178	82	17th	47	23rd	69·9	55·3	62·1	+ 4·1	3	0·43	11	+ 1	St. Leonards ..	7·9	+ 0·5	48	0	44	67·1	•	?	•
p Southampton	64	84	17th	47	23rd	71·4	53·6	61·9	+ 2·1	3	0·14	4	- 7	Southampton ..	7·4	+ 0·5	46	0	37	•	•	•	•
a Ventnor	59	77	17th	51	23rd	67·6	55·3	61·0	+ 2·3	4	0·26	7	- 3	Ventnor	8·4	+ 1·5	52	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	89	17th	47	23rd	73·4	55·2	63·7	+ 4·5	2	0·57	14	+ 2	Richmond ..	6 2	- 0·1	38	0	34	64·6	+5·4	57·2	+2·1
a Westminster	27	89	17th	46	23rd	74·0	55·2	64·0	+ 4·3	3	0·43	11	0	Westminster ..	6·7	+ 1·1	41	0	41	•	•	•	•
a Greenwich	155	93	17th	45	23rd	76·7	53·0	64·0	+ 4·0	2	0·18	5	- 7	Greenwich ..	6·6	- 0·1	40	1	30	•	•	•	•
a Hampstead	450	86	17th	44	23rd	70·8	52·9	61·2	—	2	0·66	17	—	Hampstead ..	6·8		41	0	34	•	•	•	•
a Camden Square ..	110	90	17th	46	23rd	76·3	54 9	64·9	+ 4·0	3	0 55	14	+ 3	Camden Square	6·2	+ 0·4	38	0	45	•	•	•	•
7. *a*, ENGLAND, N.W.																						
f Aspatria (Mealsgate)	487	68	17th	41	23rd	59·7	46·1	52·4	- 3·6	2	1·41	36	+ 17	Aspatria.. ..	6·0	+ 0·1	35	0	41	58·4	•	52·7	•
p Newton Rigg	550	75	17th	41	23rd	64·1	48·1	56 5	- 0·2	3	1·88	48	+ 32	Newton Rigg ..	6·0	+ 0·5	38	0	36	59·8	+2·5	53·1	+0·5
p Stonyhurst	377	74	17th	46	22, 23	63·7	50·1	56·4	0·0	4	1·43	36	+ 13	Stonyhurst ..	5·6	+ 0·2	33	0	39	•	•	•	•
p Blackpool	66	67	17, 18	48	18th	62·6	52·0	56·9	+ 0·3	4	1 13	29	+ 13	Blackpool ..	6·0	- 0·5	35	0	?	61·1	•	53·4	•
a Southport	37	65	17, 18	50	18, 20, 21	61·0	52·1	56·2	- 0·8	4	0·89	23	+ 7	Southport ..	6·6	+ 0·3	39	0	41	63·9	+3·1	59·4	+2·0
														Hoylake ..	6·2	—	37	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	66	18th	49	21-23	61·0	52·0	56·2	- 1·4	5	0 84	21	+ 5	Liverpool ..	6·5		39	0	41	•	•	•	•
a Hawarden Bridge ..	22	71	18th	47	22nd	62·1	52·3	56·9	- 1·3	5	1·13	29	+ 15	Manchester (City)	3·5	- 1·4	21	0	39	62·2	+4·6	57·8	+3·1
p Manchester (Whit. Pk.)	125	79	17th	44	23rd	66·6	51·0	58·3	- 0·2	6	0·67	14	- 6	Whitworth Park	3·3	- 1·4	20	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	71	68	18th	49	18th	61·4	51,3	56·0	- 1·6	4	1·72	44	+ 29	Llandudno ..	7·2	+ 0·9	43	•	•	•	•	•	•
a Holyhead	15	64	17th	49	21st	60·7	50·6	55·3	- 0·8	3	1·14	29	+ 13	Holyhead ..	7·1	—	43	0	41	•	•	•	•
p Bettws-y-Coed ..	148	73	18th	41	22nd	63·9	48·6	55·7	- 0·8	4	1 78	45	—	Bettws-y-Coed.	4·6	—	28	•	•	56·4	+1·1	52·0	-0·2
p Aberdovey	22	69	17th	47	22nd	61·9	53·1	57·2	—	4	1·39	35	—	Aberdovey ..	5·5	- 0·3	33	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES																						
a Aberystwyth	59	66	18th	45	22nd	61·3	51·6	56·1	—	5	1·02	26	—	6·0	+ 0·1	36	*	*	*	*	*	*
a Rhayader	757	79	17th	37	22nd	63·6	47·6	55·0	—	4	1·04	27	—	5·6	—	34	0	33	*	*	*	*
a St. Ann's Head	149	69	17th	48	22nd	59·6	51·3	55·2	- 0·6	4	1·07	27	+ 15	6·9	+ 0·3	42	*	*	*	*	*	*
p Cardiff	202	84	17th	44	22nd	67·9	52·0	59·4	+ 1·7	6	0·60	15	- 1	6·7	—	41	0	33	64·8	+4·9	56·8	+1·0
b. ENGLAND S.W.																						
a Bath	66	88	17th	44	23rd	70·3	53·0	61·1	+ 3·0	4	0·60	15	+ 1	Bath	*	*	*	*	*	64·2	+3·9	58·1	+1·2
a Shaftesbury	722	85	17th	45	21, 22	69·1	51·7	59·8	+ 3·1	4	0·28	7	- 7	Shaftesbury ..	*	*	*	*	*	63·2	*	57·5	*
a Arlington	613	76	17th	43	22nd	64·1	49·3	56·2	+ 0·2	4	0·81	21	+ 1									
a Newquay	190	64	18th	47	21st	60·6	51·6	55·8	- 1·1	6	0·69	18	+ 6	Newquay ..	7·1	+ 0·6	44	*	*	62·1	*	55·7	*
a Cullompton	202	86	17th	41	22nd	70·4	51·1	60·1	+ 2·2	6	0·58	15	+ 2	Cullompton ..	5·4	- 0·5	33	0	36	65·0	*	*	*
a Portland Bill	19	†68	23rd	51	21, 23	62·3	54·3	58·0	+ 1·0	4	0·39	10	+ 2	Weymouth ..	7·5	—	46	*	*	*	*	*	*
p Plymouth	116	75	17th	47	23rd	66·3	53·4	59·4	+ 1·1	4	0·76	19	+ 6	Plymouth ..	6·7	+ 0·2	42	0	41	65·6	+5·3	58·7	*
a Falmouth	167	74	18th	47	22nd	64·1	51·7	57·5	+ 0·1	5	0·87	22	+ 8	Falmouth ..	6·7	- 0·1	42	0	37	63·1	*	59·2	*
9. IRELAND. N.																						
a, West .. { *a* Malin Head	208	59	17th	46	20th	56·4	49·3	52·6	- 1·9	5	1·09	28	+ 12	Malin Head ..	6·0	—	35	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	60	17th	46	20, 21	56·7	48·4	52·3	- 3·7	5	0·51	13	- 7	Markree Castle	5·9	+ 0·6	35	0	35	58·7	*	53·2	*
{ *p* Markree Castle ..	122	66	17th	35	21st	60·6	45·0	52·3	- 3·0	6	0·33	8	- 14									
b, East .. { *p* Armagh	196	67	17th	43	22nd	61·3	47·6	54·0	- 2·0	5	0·79	20	+ 2	Armagh	4·3	- 1·1	25	0	38	56·8	-1·1	53·1	-1·1
{ *a* Donaghadee	101	63	17th	46	23rd	58·0	48·0	52·7	- 2·6	5	1·00	25	+ 8									
10. IRELAND. S.																						
p Dublin, City	47	68	17th	48	22nd	63·7	51·9	57·4	- 0·5	3	0·36	9	- 7	Dublin City ..	*	*	*	0	45	*	*	*	*
a Birr Castle	175	69	17th	44	21st	61·7	46·9	53·8	- 2·7	3	0·32	8	- 11	Trinity Coll. ..	*	*	*	0	43	60·0	+1·9	55·6	+0·7
a Kilkenny	212	72	17th	44	22nd	65·4	46·9	55·5	- 1·3	2	0·50	13	- 7	Phœnix Park ..	5·3	- 0·6	32	0	36	*	*	*	*
a Waterford	20	71	17th	45	22nd	66·9	48·7	57·2	- 0·3	4	0·41	11	- 10	Birr Castle ..	4·2	- 0·9	25	0	37	*	*	*	*
a Seskin, Carrick-on-Suir	541	72	17, 18	42	21st	65·0	46·4	55·1	—	5	0·80	20	—	Seskin	7·6	—	46	0	38	*	*	*	*
a Cahir	199	73	17th	41	21st	67·6	44·7	55·4	- 1·4	3	0·16	4	—									
a Foynes	50	68	17th	45	21, 23	62·9	48·0	54·9	- 2·2	3	0·61	15	- 6									
a Cahirciveen (Val. Obs.)	30	62	17th	45	21st	59·4	50·0	54·4	- 2·3	3	0·43	11	- 15	Cahirciveen ..	7·2	+ 1·4	44	0	41	*	*	*	*
a Killarney	174	—	—	—	—	—	—	—	—	-	—	—	—	Ballinacurra ..	7·2	+ 1·2	44	*	*	*	*	*	*
a Roche's Point	32	65	18th	46	21st	62·7	49·1	55·4	- 1·5	5	0·45	11	- 10									
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	67	18th	49	22nd	61·9	52·4	56·8	- 0·7	5	1·58	40	+ 29	Scilly	8·2	+ 1·0	51	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	80	17th	49	23rd	70·0	55·9	62·5	+ 3·4	3	0·59	15	+ 2	St. Heliers ..	9·3	+ 1·8	58	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	82	17th	50	22, 23	70·0	55·7	62·4	+ 3·7	3	0·44	11	- 1	Guernsey† ..	10·5	+ 2·9	65	0	46	66·5	+5·5	59·5	+1·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 23rd, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.		Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	21, 22	29	24	107	8	0	NNW.	16	21	19	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	8	96	64	0	—	6	22	10	16	22	8	25
Aberdeen	153	105	52	—	—	22	1	48	83	36	0	WNW.	11	22	9	17	22	8	40
Edinburgh	485	39	31	—	—	—	—	46	117	5	0	SW. by W.	9	23	18	15	23	17	20
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	23	3	60	64	41	0	SW.	13	23	16	20	23	15	45
Paisley	188	81	52	—	—	—	—	15	111	42	0	SW. by W.	6	18	14	17	18	13	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	14	79	75	0	SW. by W.	7	23	10	14	21	11	40
South Shields	72	61	12	—	—	—	—	19	84	65	0	W.	9	21	9	16	21	8	30
Spurn Head	66	40	‡	—	—	—	—	40	71	42	15	—	8	22	23	14	17	17	5
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	14	114	40	0	S.	8	21	13	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	58	88	13	9	—	11	21	13	13	20	20	0
Shoeburyness	103	90	‡	—	—	20	1	43	106	18	0	WSW.	11	20	24	17	20	23	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	24	90	54	0	S.	8	20	18	16	22	13	50
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	34	59	51	24	—	10	23	11	14	22	9	40
Warlingham	642	33	‡	—	—	—	—	4	70	94	0	—	6	23	17	14	20	19	25
Brighton	261	53	6	—	—	—	—	27	84	57	0	—	9	20	23	13	20	22	35
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	10	109	49	0	SSW.	7	20	21	14	22	15	15
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	17	89	62	0	WSW.	7	21	5	13	23	12	20
Fleetwood (Cup Anr.) ..	109	44	—	—	—	21 to 23	16	54	85	13	0	WNW.	14	21	2	—	—	—	—
Southport	80	62	48	—	—	20, 21, 23	12	67	83	6	0	W. by N.	14	21	2	18	21	2	0
Holyhead	60	40	‡	—	—	23	6	79	70	13	0	SSW.	11	23	15	16	23	11	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	23	1	33	79	55	0	SW.	12	23	15	16	20	13	5
Plymouth	185	88	2	—	—	—	—	19	68	81	0	—	9	20	12	16	23	17	15
Lyme Regis	556	61	‡	—	—	—	—	9	24	135	0	—	7	20	19	11	20	19	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	23	1	46	103	18	0	WSW.	11	23	22	—	—	—	—
Quilty	100	40	—	—	—	21, 23	10	91	47	20	0	—	13	23	14	17	23	13	45
Cahirciveen (Val. Obs.)	98	41	—	—	—	—	—	34	92	36	6	NNW.	8	21	18	12	23	9	55
Weaver Pt.	160	30	‡	—	—	—	—	31	124	12	1	—	9	23	10	15	23	15	25
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	9	76	83	0	N.	7	20	10	10	20	7	45

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIFTH WEEK of 1917—June 17th to June 23rd, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest	Lowest	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	67	39	86·9	81·4	84·0	− 0·7	69	− 10	0	0	6	+ 2	1·59	40	+ 21	4·9	+0·2	27	1004
Eastern.																			
1. SCOTLAND, EAST ...	75	34	89·4	81·1	84·9	− 0·5	81	− 6	0	0	3	− 1	1·24	31	+ 15	5·6	+0·1	32	1006
2. ENGLAND, N.E.	87	40	92·8	83·5	87·8	+ 1·4	117	+ 19	0	0	4	+ 1	0·51	13	− 1	6·1	+0·2	36	1008
3. ENGLAND, EAST ...	93	40	95·4	85·2	89·9	+ 2·5	144	+ 32	0	0	4	+ 1	0·51	13	+ 2	7·2	+0·5	43	1010
4. MIDLAND COUNTIES ...	89	40	93·7	83·6	88·3	+ 1·2	123	+ 15	0	0	4	+ 1	0·54	14	0	5·4	−0·4	33	1009
5. ENGLAND, S.E.	90	36	94·6	84·7	89·3	+ 1·7	135	+ 21	0	0	3	0	0·52	13	+ 2	6·8	−0·1	42	1011
Western.																			
6. SCOTLAND, WEST ...	72	41	89·1	81·8	85·2	− 0·9	83	− 13	0	0	4	0	1·35	34	+ 12	5·5	−0·2	32	1007
7. ENGLAND, N.W.	79	41	89·9	83·1	86·3	+ 0·3	97	− 6	0	0	4	0	1·29	33	+ 15	6·0	+0·3	35	1009
8. ENGLAND, S.W.	86	37	91·8	83·8	87·6	+ 0·7	113	+ 7	0	0	5	+ 1	0·70	18	+ 4	6·3	+0·2	39	1011
9. IRELAND, NORTH ...	69	35	88·1	81·6	84·7	− 1·4	77	− 18	0	0	5	0	0·67	17	− 3	5·1	−0·2	30	1009
10. IRELAND, SOUTH ...	73	41	90·7	82·1	86·1	− 0·8	95	− 10	0	0	3	− 1	0·41	10	− 11	5·6	0·0	34	1011
11. ENGLISH CHANNEL ...	82	49	92·6	85·6	88·9	+ 1·3	130	+ 16	0	0	4	+ 1	0·87	22	+ 10	9·3	+1·9	58	1012

THE SEASON (Summer).—Aggregates, &c., for the Period of 3 Weeks, June 3rd to June 23rd, 1917.

0. SCOTLAND, NORTH ...	81	39	88·6	81·8	85·0	+ 0·8	244	+ 26	0	− 1	14	+ 3	2·77	69	+ 22	5·1	−0·2	29	1013
Eastern.																			
1. SCOTLAND, EAST ...	76	34	90·4	81·1	85·4	+ 0·6	261	+ 19	0	0	7	− 3	1·95	49	+ 11	6·8	+0·9	39	1015
2. ENGLAND, N.E.	87	36	93·1	82·8	87·6	+ 2·0	342	+ 76	0	0	7	− 2	0·83	22	− 13	8·0	+1·9	47	1017
3. ENGLAND, EAST ...	93	40	95·5	84·4	89·6	+ 3·0	417	+112	0	0	6	− 3	0·74	19	− 17	9·2	+2·5	56	1015
4. MIDLAND COUNTIES ...	89	40	94·9	83·0	88·5	+ 2·0	379	+ 77	0	0	7	− 2	1·01	26	− 12	8·0	+1·9	48	1017
5. ENGLAND, S.E.	90	36	95·1	84·3	89·3	+ 2·3	407	+ 86	0	0	5	− 4	1·01	25	− 10	9·2	+2·2	57	1017
Western.																			
6. SCOTLAND. WEST ...	80	40	90·4	82·3	86·1	+ 0·4	282	+ 9	0	0	10	0	2·48	63	+ 12	6·5	+0·1	38	1015
7. ENGLAND, N.W.	80	41	91·9	83·3	87·3	+ 1·1	329	+ 41	0	0	8	− 2	1·93	49	+ 9	7·8	+1·2	47	1016
8. ENGLAND, S.W.	86	37	92·7	83·5	87·8	+ 1·2	350	+ 46	0	0	9	− 1	1·10	29	− 13	8·3	+1·6	51	1017
9. IRELAND, NORTH ...	74	32	89·4	82·2	85·6	− 0·1	264	− 5	0	0	14	+ 2	2·21	56	+ 8	4·7	−1·0	28	1014
10. IRELAND, SOUTH ...	74	40	90·8	83·1	86·7	+ 0·2	308	+ 6	0	0	10	0	1·07	26	− 21	5·0	−1·1	30	1016
11. ENGLISH CHANNEL ...	83	48	93·2	85·3	89·0	+ 1·9	394	+ 71	0	0	6	− 3	1·09	28	− 5	9·7	+2·0	61	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 25 Weeks, December 31st, 1916, to June 23rd, 1917.

0. SCOTLAND, NORTH ...	81	10	81·2	75·5	78·2	− 0·7	579	− 81	684	+145	113	− 2	16·95	430	−147	3·1	−0·4	25	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	81·5	74·4	77·8	− 1·2	636	−120	881	+264	87	−11	11·62	297	− 34	3·6	−0·4	29	1015
2. ENGLAND, N.E.	87	5	82·3	75·4	78·7	− 1·0	829	− 10	781	+309	87	− 2	9·97	256	− 1	3·8	−0·4	31	1015
3. ENGLAND, EAST ...	93	5	83·1	75·7	79·2	− 0·9	1009	+ 6	786	+292	80	− 7	8·59	220	− 32	4·3	−0·2	35	1015
4. MIDLAND COUNTIES ...	89	4	83·2	75·3	79·1	− 1·0	1001	− 23	831	+309	77	− 9	10·59	271	− 15	3·6	−0·4	29	1015
5. ENGLAND, S.E.	90	4	83·4	76·2	79·7	− 1·1	1038	− 51	693	+314	71	−14	9·89	252	− 32	4·5	−0·1	36	1015
Western.																			
6. SCOTLAND, WEST ...	80	11	82·1	75·7	78·9	− 1·0	756	−107	663	+247	89	−15	15·21	387	−121	3·6	−0·4	29	1015
7. ENGLAND, N.W.	80	5	82·4	75·9	79·1	− 1·1	864	− 49	703	+321	81	−12	12·90	329	− 30	3·9	−0·2	32	1015
8. ENGLAND, S.W.	86	4	83·1	76·4	79·5	− 1·4	958	− 94	619	+318	80	−13	12·62	320	− 86	4·7	+0·2	38	1016
9. IRELAND, NORTH ...	74	7	82·4	76·3	79·3	− 1·1	790	−132	536	+196	102	−12	14·22	363	− 50	3·2	−0·7	26	1015
10. IRELAND, SOUTH ...	77	9	83·6	76·9	80·1	− 1·1	1008	−106	501	+241	93	− 7	13·15	335	−108	3·8	−0·3	31	1016
11. ENGLISH CHANNEL ...	83	22	83·8	78·4	81·0	− 1·2	1107	−139	347	+242	82	−16	12·09	307	− 31	5·3	+0·1	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : June 28th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 26.

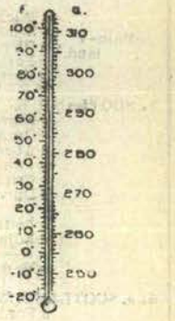
THE TWENTY-SIXTH WEEK OF 1917.

SUNDAY, JUNE 24TH TO SATURDAY, JUNE 30TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The outstanding feature of the week was the exceptional rainfall in the neighbourhood of Salisbury Plain on the Thursday night. There were considerable variations in the distribution of pressure during the period. For the first five days a depression lay to the northward of Scotland, and an anti-cyclone about the Azores. A depression appeared off the South-West of Ireland on the 27th and subsequently moved slowly eastward to Kent, and then passed down Eastern France. In its rear the Atlantic anti-cyclone spread over this country, its centre reaching Scotland on the 30th. Most of the time there was very little wind, but the last two days were marked by a strong to high and squally North-East wind on the East Coast of England and along the Channel.



Fair to fine, dry weather prevailed extensively, but from the 27th to the 30th the conditions were very unsettled over the Southern counties of England.

There were few instances of afternoon temperatures exceeding 294 a., whereas they were numerous below 289 a., and locally in Scotland and Ireland night minima about the freezing point were registered, causing some damage to potatoes. For the whole week, therefore, the mean temperature was everywhere below the normal, from 1 a. in the English Channel to as much as 3·5 a. over Scotland East.

Rainfall was light over the Northern and Western districts, less than half the normal in some, 31 per cent. in England North-West, and 18 per cent. in Scotland West. Southern England, on the other hand, suffered from an exceptionally heavy rainstorm, with thunder in many places, on the 28th and the following night, there being many records of 25 mm. and upwards between Cornwall and Kent, the records at present to hand showing Wilts and Hants as the region of maximum fall, and ranging up to 100 mm. at Kings Somborne, 122 mm. at Porton, and 128 mm. at Fovant. Consequently, the results for the week were far in excess of the normal, four times the average in England South-East, and more than 2½ times in other districts. Between the 25th and the 29th thunderstorms occurred in various localities.

The wet areas returned a large deficiency of sunshine, the dry areas a large excess, England South-East showing a loss of four hours per day, and Ireland North a gain of six hours per day.

Oxford and Rothesay reported solar halos on various days.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	11	3·6	9	2·5	11	3·1	14	2·9	10	2·7	7	4·9	6	2·2	4	1·1
North	11	2·6	10	1·1	13	6·8	10	4·8	17	3·7	18	4·0	15	4·0	19	4·3
West	19	4·6	10	4·5	7	2·3	11	2·2	13	2·8	11	3·4	11	4·7	11	3·3
East	3	2·4	10	2·8	18	4·8	13	2·2	12	3·7	13	3·3	11	2·9	10	3·7
Calm	3	—	8	—	3	—	4	—	1	—	0	—	3	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient
	Rainfall ...	Light	Light	Moderate	Heavy	Heavy	Very heavy	Light	Light	Very heavy	Light	Moderate	Heavy
	Sunshine ...	Very abundant	Very abundant	Moderate	Very scanty	Very scanty	Very scanty	Abundant	Abundant	Scanty	Very abundant	Abundant	Scanty

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 4 weeks from June 3rd, 1917.	Warmth ...	2, 1, 1	1, 2, 1	3, 0, 1	3, 0, 1	3, 0, 1	3, 0, 1	1, 1, 2	1, 2, 1	1, 2, 1	1, 1, 2	1, 1, 2	3, 0 1
	Rainfall ...	1, 2, 1	2, 0, 2	0, 2, 2	1, 1, 2	1, 2, 1	1, 2, 1	2, 0, 2	1, 1, 2	1, 2, 1	1, 2, 1	0, 4, 0	2, 1 1
	Sunshine ...	1, 3, 0	2, 2, 0	2, 2, 0	2, 1, 1	2, 1, 1	2, 1, 1	2, 1, 1	2, 2, 0	2, 1, 1	1, 2, 1	1, 2, 1	2, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(12137—19.) Wt. 153—442. 450. 7/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F	°F	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
a, Islands..	54	55	24th	44	27-29	52·7	44·9	48·5	− 3·0	3	0·37	9	− 2										
	160	56	27th	42	26th	53·6	44·0	48·5	—	3	0·51	13	+ 1	Deerness ..	8·5	+ 3·8	47	*	*	*	*	*	*
	51	60	30th	40	26th	55·4	42·7	48·6	− 5·2	5	0·91	23	+ 8	Stornoway ..	8·4	+ 3·3	47	*	*	*	*	*	*
	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	*	*	*	*	*	*	*	*	*
b, Mainland.	81	57	24th	33	30th	53·9	41·0	47·0	− 6·4	4	0·21	5	− 7	Fort Augustus..	8·1	+ 4·2	46	*	*	*	*	*	*
	200	—	—	—	—	—	—	—	—	—	—	—	—										
	500	61	30th	38	26th	56·6	42·6	49·1	− 5·2	2	0·66	17	− 9										
	68	67	30th	35	27th	60·4	41·1	50·1	− 5·6	3	0·14	4	− 9										
	171	68	27th	38	26-28	64·4	41·7	52·3	− 4·4	1	0·11	3	− 20										
1. SCOTLAND, E.																							
a Nairn	82	69	27th	36	26, 30	59·7	40·3	49·3	− 6·6	3	0·06	2	− 9	Nairn ..	11·5	—	65	*	*	*	*	*	*
p Gordon Castle	101	63	27th	38	26th	59·0	42·1	50·0	− 6·1	3	0·20	5	− 8	Gordon Castle..	11·1	—	63	*	*	*	*	*	*
a Aberdeen	46	63	24th	38	27th	58·7	42·7	50·1	− 5·4	1	0·20	5	− 6	Aberdeen ..	9·6	+ 3·3	54	0	34	*	*	52·4	+1·4
a Balmoral	930	61	30th	29	30th	58·9	37·6	47·5	− 6·6	4	0·47	12	+ 1	Balmoral ..	*	*	*	1	27	*	*	*	*
p Crieff	432	66	30th	39	25, 30	62·7	40·9	51·0	− 6·5	2	0·34	9	− 5	Crathes ..	6·7	+ 0·7	38	3	25	55·0	−0·7	52·2	−0·2
a Dundee	244	63	27th	35	30th	61·3	40·7	50·3	—	2	0·14	4	− 7	Dundee ..	9·4	—	54	1	30	55·7	*	*	*
a Leith	18	63	27th	41	30th	60·1	46·1	52·6	− 5·1	3	0·07	2	− 8	Leith ..	*	*	*	0	36	*	*	*	*
a Edinburgh	441	61	25, 27	42	30th	58·4	45·1	51·3	—	2	0·05	1	− 10	Edinburgh ..	10·9	+ 4·5	63	0	32	*	*	*	*
a West Linton	769	60	28, 30	30	30th	58·4	35·1	45·9	− 8·2	1	0·15	4	—	West Linton ..	8·5	—	50	3	27	*	*	*	*
p Marchmont	498	64	25th	40	25, 29, 30	59·9	41·6	50·1	− 5·7	1	0·11	3	− 10	Marchmont ..	10·1	+ 3·6	59	0	31	*	*	*	*
6. *a*, SCOTLAND, W																							
a Ford (Argyll)	149	63	27, 28, 30	32	26th	61·0	39·0	49·2	—	1	0·17	4	—	Ford (Argyll) ..	*	*	*	*	*	58·3	*	53·2	*
p Glasgow Observatory	180	65	28, 30	42	26th	61·6	45·1	52·8	− 4·3	1	0·04	1	− 14	Glasgow..	8·6	+ 3·6	50	0	33	*	*	*	*
p Rothesay	170	64	28th	40	26th	60·7	44·4	52·0	− 4·8	2	0·06	2	− 17	Rothesay ..	12·7	—	73	0	36	58·1	*	53·4	0·0
a Kilmarnock	90	68	28th	39	27, 28	64·6	41·3	52·1	− 4·1	1	0·04	1	− 14	Kilmarnock ..	10·8	—	63	*	*	56·5	*	53·6	*
a Colmonell	170	65	28-30	37	25th	62·7	41·9	51·6	− 4·0	1	0·01	0	− 15	Colmonell ..	*	*	*	0	35	*	*	*	*
p Cally, Gatehouse	120	70	28th	35	26th	64·6	39·6	51·2	− 5·0	1	0·01	0	− 18	Dumfries ..	10·3	—	61	1	30	58·9	*	56·0	*
a Dumfries	160	68	28th	39	26, 30	63·1	42·9	52·3	− 5·7	3	0·29	7	− 8	Eskdalemuir ..	10·5	—	61	5	28	*	*	*	*
a Eskdalemuir	794	67	27th	33	26th	60·0	37·1	48·0	—	4	0·51	13	—										
b, I. OF MAN *p* Douglas	277	65	28, 29	44	27th	61·7	46·4	53·5	− 3·0	2	0·34	9	− 6	Douglas ..	10·0	+ 3·2	59	0	40	*	*	*	*
2. ENGLAND, N.E.																							
a North	210	67	25th	40	30th	61·1	42·3	51·1	− 5·4	2	0·21	5	− 8										
	71	64	24th	45	30th	58·3	47·6	52·6	− 3·8	2	0·20	5	− 7	Cockle Park ..	8·9	+ 2·9	52	0	35	55·7	−0·2	54·0	+1·1
	336	65	24th	39	30th	62·7	43·7	52·5	− 4·8	3	0·35	9	− 3	Durham ..	6·9	+ 1·1	41	?	?	*	*	*	*
	249	65	24th	38	26th	60·1	45·1	52·1	− 4·7	4	0·51	13	− 2	Rounton ..	*	*	*	0	34	57·0	*	*	*
	605	64	25, 26	39	26th	61·1	44·3	52·1	—	4	0·28	7	—	West Witton ..	*	*	*	0	34	58·2	*	53·0	*
	100	62	24th	46	24, 26	59·9	48·7	53·9	− 3·9	3	0·50	13	+ 2	Scarborough† ..	4·3	− 1·7	25	*	*	*	*	48·5	*
	56	66	25th	44	26th	63·7	49·3	56·0	− 3·4	4	0·23	6	− 7	York ..	5·2	− 0·8	31	*	*	57·9	+1·0	55·0	+1·4
b, South	26	66	24th	48	30th	60·7	50·7	55·4	− 2·8	5	0·52	13	+ 4	Spurn Head ..	2·6	—	15	*	*	*	*	*	*
	58	—	—	—	—	—	—	—	—	4	0·70	18	+ 6	Lincoln ..	*	*	*	*	*	59·7	+1·7	57·1	+3·0
	180	68	26, 27	42	25th	63·0	47·0	54·4	− 5·2	4	0·74	19	+ 7	Rauceby ..	3·8	− 3·1	23	*	?	62·3	+1·5	57·9	+2·9
														Skegness ..	4·2	− 3·0	25	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	69	27th	50	27, 30	63·4	51·9	56·8	− 1·8	5	0·43	11	0	Cromer ..	4·3	− 2·8	26	*	*	*	*	*	*
p Little Massingham	280	72	27th	48	26, 27	65·3	49·1	56·6	− 2·9	4	1·18	30	+ 17	Lit. Massingham	3·9	− 3·0	23	0	46	*	*	*	*
a Yarmouth	13	67	24, 25	51	24, 27	63·9	53·4	58·3	− 0·8	5	0·91	23	+ 12	Yarmouth ..	3·5	—	21	0	52	62·1	−0·2	59·0	+0·3
a Norwich	93	69	27th	48	27th	64·4	52·4	58·0	− 1·9	5	1·20	30	+ 18	Norwich ..	3·1	—	19	0	44	62·1	*	*	*
a Geldeston	37	67	24th	44	27th	63·4	50·7	56·6	− 2·8	7	1·44	37	+ 26	Geldeston ..	2·5	− 5·0	15	*	*	*	*	*	*
p Cambridge	41	71	25th	48	27th	65·6	51·0	57·8	− 2·7	4	1·56	40	+ 29	Cambridge ..	3·6	− 3·7	22	0	42	61·7	+1·6	58·3	+1·5
a Clacton-on-Sea	54	67	28th	52	30th	63·4	54·6	58·7	− 1·0	5	0·41	11	+ 2	Clacton ..	3·2	− 4·7	20	0	48	61·3	+2·3	59·1	+2·1
a Rothamsted	424	67	25, 26, 28	47	27th	63·1	50·6	56·4	− 3·0	4	1·44	37	+ 25	Rothamsted ..	3·0	− 4·2	18	0	40	60·0	*	*	*
p Tottenham	51	70	28th	49	24th	65·3	52·0	58·2	− 1·8	4	1·17	30	—	Tottenham ..	2·4	—	15	0	49	*	*	59·8	+2·2
4. MIDLAND COUNTIES.																							
a North	479	63	25th	42	26, 27, 30	60·3	45·6	52·4	− 4·8	3	0·28	7	− 8	Harrogate ..	6·4	− 0·3	38	0	34	55·4	+0·9	54·6	+1·7
	429	63	25th	45	26th	60·3	48·6	54·0	—	4	0·37	9	—	Sheffield..	3·6	− 2·6	22	0	38	56·4	0·0	53·7	+1·6
	987	62	6th	37	26th	58·7	44·1	50·9	− 4·5	4	0·33	8	− 13	Buxton ..	5·7	—	34	0	32	56·5	0·0	53·9	+2·5
b, East	65	65	25th	40	30th	61·9	46·7	53·8	− 5·5	4	0·56	14	+ 2	Worksop ..	2·9	− 2·9	17	1	29	57·4	*	55·7	*
	82	68	26th	43	25, 26	63·0	48·1	55·0	− 4·5	4	0·83	21	+ 8	Nottingham ..	3·5	− 2·7	21	0	38	58·7	+0·6	57·1	+2·1
	535	64	25th	44	26th	61·6	48·4	54·5	− 4·7	4	1·13	29	+ 15	Birmingham ..	2·7	− 2·6	16	0	32	53·5	+0·2	51·2	+0·7
	203	71	25th	46	25th	65·9	49·0	56·9	− 3·1	5	1·31	33	+ 20	Raunds ..	*	*	*	0	34	61·4	*	55·1	*
	208	69	25th	47	26th	64·6	50·3	57·0	− 3·3	4	1·98	50	+ 36	Oxford ..	3·7	− 3·2	23	0	42	*	*	*	*
c, West	646	63	28th	42	30th	60·9	47·7	53·8	− 3·9	3	0·84	21	+ 4	Cheadle ..	*	*	*	6	41	*	*	*	*
	191	66	29th	41	25, 26	62·9	46·6	54·2	− 5·0	4	0·41	10	− 2	Shrewsbury ..	*	*	*	0	35	*	*	*	*
	291	65	28th	38	25, 26	60·4	48·4	54·9	− 6·7	5	0·78	20	+ 7	Malvern§ ..	3·3	—	20	1	30	60·1	*	59·0	*
	229	66	27th	46	26th	62·7	51·1	56·5	− 4·9	4	1·67	43	+ 25	Clifton ..	3·7	—	23	0	44	*	*	*	*
5. ENGLAND, S.E.																							
a Marlborough	424	67	27th	43	26th	62·7	48·9	55·3	− 2·8	4	2·00	51	+ 39	Worthing ..	4·8	− 3·6	29	0	45	62·4	+0·8	58·9	+1·6
p Salisbury (Wilton)	180	70	25, 27	44	26th	65·0	48·9	56·4	− 3·7	3	3·43	87	+ 76	Marlborough ..	3·0	− 3·7	18	0	35	58·8	*	55·5	*
a Wisley, Surrey	150	70	25, 27, 28	49	27, 30	66·0	52·0	58·5	− 1·4	3	1·77	45	+ 36	Salisbury ..	*	*	*	0	42	62·9	*	*	*
a Tunbridge Wells	354	68	27, 28	49	26, 27, 30	64·4	52·0	57·8	− 1·9	6	1·83	46	+ 36	Wisley ..	3·4	− 4·1	21	0	40	60·9	+1·1	57·2	+0·5
a Margate	53	68	25, 28	51	27th	65·0	54·6	59·4	− 0·8	5	0·65	16	+ 7	Tunbridge Wells	3·3	− 4·3	20	0	39	60·9	−0·4	58·3	*
														Margate ..	3·3	− 3·9	20	0	47	63·2	+4·2	61·9	+5·7
a Dungeness	21	66	28th	50	24th	62·6	53·3	57·6	− 1·7	3	0·63	16	+ 8	Dover ..	5·3	—	32	0	39	*	*	*	*
p St. Leonards	178	67	28th	50	30th	64·0	53·3	58·3	− 1·4	5	1·49	38	+ 28	St. Leonards ..				0	46	64·0	*	59·6	*
p Southampton	64	68	25th	49	30th	64·6	53·1	58·5	− 2·9	5	2·38	61	+ 51	Southampton ..	4·1	− 3·7	25	0	43	*	*	*	*
a Ventnor	59	67	28th	51	26, 30	63·4	51·0	58·4	− 2·0	5	0·26	7	− 2	Ventnor ..	4·6	− 3·4	29	*	*	*	*	*	*
LONDON. *p* Richmond (Kew Obs.)	18	73	28th	50	24th	67·3	53·2	59·8	− 1·2	4	1·35	34	+ 23	Richmond ..	3·2	− 4·0	20	0	40	61·7	+2·4	57·7	+2·0
a Westminster	27	72	28th	52	27, 30	65·7	54·4	59·7	− 1·8	3	1·88	48	+ 38	Westminster ..	2·4	− 4·0	15	0	47	*	*	*	*
a Greenwich	155	74	25, 28	49	27th	68·6	52·9	60·2	− 0·8	3	1·95	50	+ 38	Greenwich ..	2·6	− 4·3	16	0	36	*	*	*	*
a Hampstead	450	69	28th	48	30th	63·8	51·1	57·0	—	3	1·77	45	—	Hampstead ..	2·8	—	17	0	38	*	*	*	*
a Camden Square	110	74	26, 28	51	30th	69·0	53·9	60·9	− 1·7	4	1·83	46	+ 35	Camden Square	2·4	− 4·1	15	0	50	*	*	*	*
7. *a*, ENGLAND, N.W.																							
Aspatria (Mealsgate)	487	66	28th	37	30th	60·7	41·3	50·3	− 6·8	0	0·00	0	− 18	Aspatria..	11·1	+ 4·7	65	0	36	55·8	*	52·7	*
p Newton Rigg	559	68	28th	37	26th	62·3	40·6	50·7	− 6·3	2	0·17	4	− 11	Newton Rigg ..	9·6	+ 3·1	56	0	34	57·7	+0·2	53·3	+0·3
p Stonyhurst	377	64	28th	42	26, 30	60·9	46·4	53·2	− 4·4	3	0·54	14	− 7	Stonyhurst ..	6·6	+ 0·6	39	0	33	*	*	*	*
p Blackpool	66	67	28th	40	30th	62·1	47·7	54·4	− 3·6	1	0·22	6	− 9	Blackpool ..	8·6	+ 1·4	51	1	27	59·7	*	54·4	*
a Southport	37	67	28th	40	30th	61·3	47·7	54·0	− 4·3	2	0·64	1	− 14	Southport ..	8·2	+ 1·2	49	1	30	61·8	+0·8	59·2	+1·3
														Hoylake ..	6·2	− 0·3	37	*	*	*	*	*	*
a Liverpool (Bidston)	188	64	28th	45	30th	61·0	49·4	54·8	− 4·1	3	0·35	9	− 6	Liverpool ..	6·1	—	37	0	40	*	*	*	*
a Hawarden Bridge	22	65	28th	43	24, 26	62·0	49·0	55·1	− 4·4	4	0·35	9	− 4	Manchester (City)	5·3	+ 0·1	32	0	40	58·8	+1·3	58·2	+2·9
p Manchester (Whit. Pk.)	125	64	24, 26, 28	41	26th	63·0	48·9	55·5	− 4·2	2	0·37	9	− 9	Whitworth Park	5·0	− 0·3	30	*	*	*	*	*	*
b, NORTH WALES.																							
p Llandudno	71	61	24, 27-29	46	26, 27	60·1	50·0	54·7	− 4·3	2	0·09	2	− 12	Llandudno ..	8·3	+ 1·4	50	*	*	*	*	*	*
a Holyhead	15	61	26, 27, 30	49	26, 27, 30	60·6	50·3	55·1	− 2·3	2	0·12	3	− 12	Holyhead ..	9·0	—	54	0	42	*	*	*	*
a Bettws-y-Coed	148	67	24th	39	30th	63·1	45·7	53·8	− 3·9	4	0·22	6	—	Bettws-y-Coed.	6·3	—	38	*	*	53·9	−1·3	52·0	−0·5
p Aberdovey	22	67	28, 29	45	30th	62·1	51·3	56·3	—	3	0·76	19	—	Aberdovey ..	6·7	+ 0·3	40	*	*	*	*	*	*

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	68	28th	42	30th	61·7	50·0	55·4	—	3	0·78	20	—	Aberystwyth ..	6·9	+ 0·3	42	*	*	*	*	*	*
a Rhayader	757	65	28th	37	26th	59·6	45·3	52·0	—	4	0·63	16	—	Rhayader ..	6·1	—	37	0	31	*	*	*	*
a St. Ann's Head	149	63	28th	47	30th	58·6	50·9	54·5	- 2·6	4	1·19	30	+ 18	St. Ann's Head	8·0	+ 0·5	49	*	*	*	*	*	*
p Cardiff	202	65	28th	43	26th	62·4	49·0	55·2	- 3·8	4	1·30	33	+ 17	Cardiff	4·9	—	30	0	31	61·0	+1·2	57·2	+1·0
b, ENGLAND, S.W.																							
a Bath	66	67	28th	45	26th	63·3	51·0	56·7	- 2·9	4	2·95	75	+ 62	Bath	*	*	*	*	*	61·5	+0·9	58·7	+1·3
a Shaftesbury .. .	722	67	25th	45	26th	61·3	49·0	54·7	- 3·5	4	2·43	62	+ 48	Shaftesbury ..	*	*	*	*	*	59·3	*	57·0	*
a Arlington	613	64	28th	40	25th	60·0	47·4	53·3	- 4·0	6	2·58	66	+ 46										
a Newquay	190	64	28th	46	25th	60·4	50·9	55·3	- 3·1	5	2·49	63	+ 51	Newquay ..	4·4	- 3·1	27	*	*	61·2	*	56·3	*
a Cullompton	202	66	28th	42	26th	63·3	49·3	55·8	- 3·5	5	2·19	56	+ 43	Cullompton ..	2·5	- 4·2	15	0	34	60·6	*	*	*
a Portland Bill	19	61	30th	47	30th	59·1	53·0	55·8	- 2·7	4	0·79	20	+ 11	Weymouth ..	4·6	—	29	*	*	*	*	*	*
p Plymouth	116	65	25, 26	46	25, 26	62·4	51·3	56·5	- 3·1	4	0·99	25	+ 11	Plymouth ..	4·3	- 3·2	27	0	40	62·0	+0·9	58·7	*
a Falmouth	167	64	25, 28	46	25, 30	62·4	50·9	56·3	- 2·6	4	1·29	33	+ 19	Falmouth ..	4·2	- 3·7	26	0	38	61·9	*	59·2	*
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	60	30th	46	24, 26	57·0	48·0	52·2	- 3·5	3	0·21	5	- 9	Malin Head ..	12·5	—	73	*	*	*	*	*	*
a Blacksod Point	327	62	30th	46	26, 30	58·1	47·1	52·2	- 4·8	2	0·08	2	- 15	Markree Castle	10·8	+ 6·2	64	0	32	58·1	*	53·8	*
p Markree Castle ..	122	65	27, 30	33	26th	62·4	41·1	51·0	- 5·3	3	0·15	4	- 15										
b, East .. *p* Armagh	196	67	30th	41	26th	63·1	43·9	52·8	- 4·3	3	0·81	21	+ 5	Armagh	10·4	+ 5·6	62	0	37	56·1	-2·0	53·3	-1·4
a Donaghadee	101	61	24th	44	25th	57·6	46·7	51·8	- 4·7	2	0·28	7	- 8										
10. IRELAND, S.																							
p Dublin, City	47	64	24, 28	46	30th	62·0	49·4	55·3	- 4·0	2	0·73	19	+ 7	Dublin City ..	*	*	*	0	40	*	*	*	*
a Birr Castle	175	70	30th	42	25th	63·7	44·4	53·4	- 4·4	2	0·12	3	- 11	Trinity Coll. ..	*	*	*	0	39	59·3	+1·0	55·9	+0·6
a Kilkenny	212	68	30th	40	25th	63·1	45·6	53·7	- 4·5	3	0·60	15	+ 1	Phœnix Park ..	9·9	+ 4·1	59	0	31	*	*	*	*
a Waterford	20	69	28, 29	45	26, 30	63·9	48·9	55·9	- 3·0	3	0·49	12	- 3	Birr Castle ..	9·0	+ 4·0	54	0	34	*	*	*	*
a Seskin, Carrick-on-Suir	541	65	29, 30	42	25, 26	61·0	45·0	52·4	—	3	0·46	12	—	Seskin	6·1	—	37	0	39	*	*	*	*
a Cahir	199	69	24th	40	26th	63·9	45·4	54·0	- 4·2	3	0·55	14	—										
a Foynes	50	68	30th	45	26, 30	63·4	46·9	54·6	- 3·7	3	0·15	4	- 11										
a Cahirciveen (Val. Obs.)	30	62	28th	44	26th	59·3	49·0	53·8	- 4·2	1	0·02	1	- 17	Cahirciveen ..	9·7	+ 4·1	59	0	40	*	*	*	*
a Killarney	174	73	30th	43	26, 30	65·8	47·0	55·8	- 2·6	4	0·39	10	- 6	Ballinacurra ..	7·6	+ 1·6	46	*	*	*	*	*	*
a Roche's Point	32	69	28th	48	26th	60·3	49·9	54·7	- 3·5	4	1·11	28	+ 13										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	64	28th	50	25th	61·1	52·6	56·6	- 2·2	5	2·49	63	+ 55	Scilly	5·7	- 2·5	35	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	67	24, 27, 28	51	29th	63·9	53·9	58·6	- 1·9	4	0·16	4	- 5	St. Heliers ..	6·1	- 2·6	38	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	67	27th	51	30th	63·7	53·3	58·1	- 2·0	5	0·35	9	0	Guernsey† ..	5·0	- 3·9	31	0	44	63·5	+2·3	60·1	+1·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 30th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr	hr.	hr.	hr.	hr.			m/s.	d. h. m
Deerness (Cup Anr.)** ..	188	16	5	—	—	21, 25	8	56	94	10	0	WSW. 13	day. hr. 24 15	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	2	82	89	0	— 6	24 12	14	24 11 40
Aberdeen	153	106	52	—	—	—	—	10	123	35	0	W. by S. 8	24 14	17	24 13 40
Edinburgh	485	39	31	—	—	—	—	24	99	45	0	SW. by W. 9	24 9	14	24 6 25
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	—	—	45	72	51	0	SW. 10	24 8	16	24 8 35
Paisley	188	81	52	—	—	—	—	7	102	59	0	W. by N. 7	24 12	17	24 11 45
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	8	85	70	5	NNE. 6	29 9	13	24 12 20
South Shields	72	61	12	—	—	—	—	16	95	57	0	NE. 8	29 10	12	24 13 30
Spurn Head	66	40	‡	—	—	29	8	46	60	35	19	— 13	29 8	17	29 7 35
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	28 to 30	32	46	63	27	0	NE. 16	29 7	—	— — —
Gorleston	52	42	‡	—	—	29, 30	42	49	60	11	6	— 15	29 13	20	29 16 10
Shoeburyness	103	90	‡	—	—	24	4	92	72	0	0	SW. 12	24 12	15	29 21 30
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	53	75	40	0	NE. 10	29 14	18	29 13 50
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	29, 30	29	56	67	16	0	— 14	30 12	21	30 11 15
Warlingham	642	33	‡	—	—	—	—	13	104	51	0	— 8	24 12	18	24 15 15
Brighton	261	53	6	—	—	—	—	45	112	6	5	— 10	29 20	18	29 22 15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	50	88	30	0	SSW. 9	24 15	14	24 16 15
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	2	74	92	0	SW. 6	24 1	12	24 0 5
Fleetwood (Cup Anr.) ..	109	44	—	—	—	29	2	54	99	13	0	NE. by N. 12	29 6	—	— — —
Southport	80	62	48	—	—	24	5	60	96	7	0	SW. by W. 13	24 2	18	24 1 50
Holyhead	60	40	‡	—	—	28, 29	3	101	64	0	0	N. by W. 12	28 19	15	28 18 50
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	27, 29	9	62	66	31	0	S. 12	27 7	16	{27 6 25 / 28 0 30
Plymouth	185	88	2	—	—	—	—	47	81	37	0	— 9	29 17	17	29 17 0
Lyme Regis	556	61	‡	—	—	29	7	28	44	81	0	— 13	29 14	18	29 12 0
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	28	1	65	79	23	0	N. 11	28 7	—	— — —
Quilty	100	40	‡	—	—	—	—	109	48	11	0	— 11	28 19	16	28 9 5
Cahirciveen (Val. Obs.)	98	41	‡	—	—	28	4	61	63	34	0	N. by E. 12	28 11	18	28 10 45
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
11. ENGLISH CHANNEL.															
Scilly..	150	30	‡	—	—	—	—	42	84	42	9	SE. 9	27 20	14	29 2 50

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SIXTH WEEK of 1917—June 24th to June 30th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	33	87·0	78·7	82·6	− 2·8	51	− 34	0	0	3	− 1	0·40	10	− 7	8·3	+3·9	47	1018
Eastern.																			
1. SCOTLAND, EAST ...	69	29	88·4	77·9	82·8	− 3·5	58	− 39	3	+ 3	2	− 1	0·20	5	− 7	9·7	+3·6	56	1019
2. ENGLAND, N.E.	68	38	89·2	81·2	84·9	− 2·4	81	− 29	0	0	3	0	0·44	11	− 1	5·6	−0·8	33	1019
3. ENGLAND, EAST ...	72	44	90·8	83·9	87·2	− 1·2	109	− 15	0	0	5	+ 2	1 08	28	+ 17	3·3	−4·0	20	1017
4. MIDLAND COUNTIES ...	71	38	89·9	81·9	85·6	− 2·5	89	− 31	0	0	4	+ 1	0·98	25	+ 11	3·8	−2·7	23	1017
5. ENGLAND, S.E.	73	48	91·1	84·3	87·4	− 1·2	112	− 14	0	0	4	+ 2	1·58	40	+ 30	3·9	−3·9	24	1017
Western.																			
6. SCOTLAND, WEST ...	70	32	89·9	78·9	84·0	− 2·7	69	− 33	0	0	2	− 2	0·12	3	− 14	9·3	+3·3	53	1019
7. ENGLAND, N.W.	68	37	89·4	81·3	85 1	− 2·3	82	− 30	0	0	2	− 1	0·23	6	− 11	7·9	+1·6	37	1018
8. ENGLAND, S.W.	67	37	89·2	82·8	85·8	− 1·9	92	− 24	0	0	4	+ 1	1·63	42	+ 27	5·2	−1·8	32	1017
9. IRELAND, NORTH ...	70	33	88·7	80·3	84·2	− 2·5	71	− 32	0	0	3	− 1	0·28	7	− 10	10·6	+5·9	63	1020
10. IRELAND, SOUTH ...	73	40	90·1	81·6	85·6	− 2·0	88	− 26	0	0	3	− 1	0·46	12	− 3	9·1	+3·6	55	1019
11. ENGLISH CHANNEL ...	67	50	90·2	84·8	87·3	− 1·0	111	− 15	0	0	5	+ 2	1·00	25	+ 16	5·6	−3·0	35	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 4 Weeks, June 3rd to June 30th, 1917.

0. SCOTLAND, NORTH ...	81	33	88·2	81·1	84·4	− 0·1	295	− 8	0	− 1	17	+ 2	3·17	79	+ 15	5·9	+0·8	33	1015
Eastern.																			
1. SCOTLAND, EAST ...	76	29	89·9	80·3	84·8	− 0·4	319	− 20	3	+3	9	− 4	2·15	54	+ 4	7·5	+1·5	43	1016
2. ENGLAND, N.E.	87	36	92·2	82·4	86·9	+ 0·8	423	+ 47	0	0	10	− 2	1·27	33	− 14	7·4	+1·2	44	1017
3. ENGLAND, EAST ...	93	40	94·4	84·3	89·0	+ 1·9	526	+ 97	0	0	11	− 1	1·82	47	0	7·7	+0·9	47	1017
4. MIDLAND COUNTIES ...	89	38	93·7	82·8	87·8	+ 0·9	468	+ 46	0	0	11	− 1	1·99	51	− 1	6·9	+0·7	42	1017
5. ENGLAND, S.E.	90	36	94·1	84·3	88·8	+ 1·4	519	+ 72	0	0	9	− 2	2 59	65	+ 20	7·9	+0·7	48	1017
Western.																			
6. SCOTLAND WEST ...	80	32	90·3	81·4	85·6	− 0·3	351	− 24	0	0	12	− 2	2·60	66	− 2	7·2	+0·7	42	1016
7. ENGLAND, N.W.	80	37	91·3	82·8	86·7	+ 0·2	411	+ 11	0	0	10	− 3	2·16	55	− 2	7·8	+1·3	47	1017
8. ENGLAND, S.W.	86	37	91·8	83·4	87·3	+ 0·4	442	+ 22	0	0	13	0	2·73	71	+ 14	7·5	+0·7	46	1017
9. IRELAND, NORTH ..	74	32	89·2	81·7	85·2	− 0·7	335	− 37	0	0	17	+ 1	2·49	63	− 2	6·2	+0·7	37	1015
10. IRELAND, SOUTH ..	71	40	90·6	82·7	86·4	− 0·4	396	− 20	0	0	14	0	1·60	40	− 22	6·0	+0·1	36	1017
11. ENGLISH CHANNEL ...	83	48	92·5	85·2	88·6	+ 1·2	505	+ 56	0	0	11	− 1	2·09	53	+ 11	8·7	+0·8	54	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 26 Weeks, December 31st, 1916, to June 30th, 1917.

0. SCOTLAND, NORTH ..	81	10	81·4	75·6	78·4	− 0·8	630	−115	684	+145	116	− 3	17·35	440	−154	3·3	−0·1	26	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	81·7	74·5	77·9	− 1·4	694	−159	884	+267	89	−12	11·82	302	− 41	3·9	−0·1	31	1015
2. ENGLAND, N.E.	87	5	82·5	75·7	79·0	− 1·0	910	− 39	781	+309	90	− 2	10·41	267	− 2	3·9	−0·4	31	1015
3. ENGLAND, EAST ..	93	5	83·4	76·0	79·6	− 0·8	1118	− 9	786	+292	85	− 5	9·67	248	− 15	4·2	−0·4	34	1015
4. MIDLAND COUNTIES ...	89	4	83·5	75·5	79·3	− 1·1	1090	− 54	831	+309	81	− 8	11·57	296	− 4	3·6	−0·5	29	1015
5. ENGLAND, S.E.	90	4	83·7	76·5	80·0	− 1·1	1150	− 65	693	+314	75	−12	11·47	292	− 2	4·5	−0·2	36	1015
Western.																			
6. SCOTLAND, WEST ...	80	11	82·4	75·9	79·1	− 1·1	825	−140	663	+247	91	−17	15·33	390	−135	3·8	−0·3	30	1015
7. ENGLAND, N.W.	80	5	82·7	76·1	79·3	− 1·2	946	− 79	703	+321	83	−13	13·13	335	− 41	4·1	−0·1	33	1015
8. ENGLAND, S.W.	86	4	83·3	76·6	79·8	− 1·3	1050	−118	619	+318	84	−12	14·25	362	− 59	4·7	+0·2	38	1016
9. IRELAND, NORTH ...	74	7	82·7	76·5	79·5	− 1·1	861	−164	536	+196	105	−13	14·63	374	− 56	3·5	−0·4	28	1015
10. IRELAND, SOUTH ...	77	9	83·8	77·1	80·3	− 1·2	1096	−132	501	+241	97	− 7	13·68	349	−109	4·0	−0·3	32	1016
11. ENGLISH CHANNEL ...	83	22	84·1	78·6	81·2	− 1·2	1218	−154	347	+242	87	−14	13·09	332	− 15	5·3	−0·1	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : July 5th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 27.

THE TWENTY-SEVENTH WEEK OF 1917.
SUNDAY, JULY 1ST TO SATURDAY, JULY 7TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

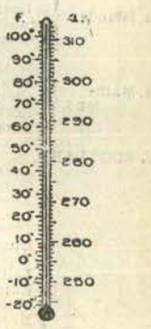
I.—GENERAL SUMMARY. [First published in 1878.]

The week commenced with anticyclonic conditions over the British Isles and extending apparently from the Azores to Scandinavia. The central region was over Scotland and the northern part of the North Sea on the 2nd, and it remained in very much the same position throughout the rest of the week. On the morning of the 4th a small depression appeared near the Straits of Dover causing much rain and a thunderstorm locally along the South coast. On the 7th a disturbance off our South-West coasts began to affect the weather in the South, and thunder occurred in the night at Portsmouth, Ventnor, and Bognor.

A number of stations in the South-East of England observed a well developed Solar halo on the 7th. At Aberdeen parhelia were noticed on the 4th, and a sun pillar at Oxford on the 1st and 3rd.

The north-east breezes blowing along the southern margin of the anticyclone prevented any high afternoon temperatures from occuring in the South, but the thermometer almost touched 300 a. on the 3rd at Fort William and Kilmarnock. The lowest temperature recorded was 274 a. at West Linton (South of Edinburgh). The mean temperature of the air was nearly normal in Ireland, but over Britain it was below the average, by fully 2 a. in the Midlands.

The Temperature of the sea was still rather below the normal. Little or no rain fell in the North, but in the South-East of England there was about an inch during the week. Sunshine was generally above the average, especially in England North-West, where the excess amounted to above 5 hours a day, Southport and Llandudno both receiving 12 hours a day. There was a notable deficit in the Channel Islands where the average duration was only 4½ hours.



II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	2·1	0	—	0	—	3	1·1	3	1·1	17	2·6	4	3·1	14	2·2
North	14	2·2	12	1·5	27	3·8	20	2·3	16	3·0	6	1·9	7	1·1	5	1·1
West	3	1·8	0	—	1	0·4	0	—	3	0·6	3	1·8	3	1·7	3	2·2
East	23	2·6	13	2·5	23	4·9	25	3·5	18	4·4	21	4·4	12	3·0	18	2·5
Calm	2	—	15	—	1	—	3	—	7	—	2	—	13	—	7	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Very deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate
	Rainfall ...	Very light	Very light	Very light	Light	Very light	Heavy	Very light	Nought	Moderate	Very light	Moderate	Moderate
	Sunshine ...	Very abundant	Very abundant	Abundant	Abundant	Abundant	Moderate	Very abundant	Very abundant	Moderate	Very abundant	Moderate	Scanty

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 5 weeks from June 3rd, 1917.	Warmth ...	2, 2, 1	1, 2, 2	3, 0, 2	3, 0, 2	3, 0, 2	3, 0, 2	1, 2, 2	1, 1	1, 2, 2	1, 2, 2	1, 2, 2	3, 1, 1
	Rainfall ...	1, 2, 2	2, 0, 3	0, 2, 3	1, 1, 3	1, 2, 2	2, 2, 1	2, 0, 3	1, 1, 3	1, 3, 1	1, 2, 2	0, 5, 0	2, 2, 1
	Sunshine ...	2, 3, 0	3, 2, 0	3, 2, 0	3, 1, 1	3, 1, 1	2, 2, 1	3, 1, 1	3, 2, 0	2, 2, 1	2, 2, 1	1, 3, 1	2, 1, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(12246—19.) Wt. 153—442. 450. 7/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands..	54	58	4, 5	41	1st	55·6	45·0	49·9	— 2·1	1	0·01	0·2	- 13										
p Deerness	160	65	2nd	44	1, 6	56·6	46·3	51·1	—	0	0·00	0	- 14	Deerness ..	9·1	+ 4·6	51	•	•	•	•	•	•
a Stornoway	31	64	7th	43	1st	61·7	50·1	55·5	+ 1·4	1	0·04	1	- 16	Stornoway ..	6·9	+ 2·1	39	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	•		•	•	•	•	•	•	•
a Wick	81	61	2nd	44	2nd	55·0	47·1	50·8	- 3·0	1	0·02	0·4	- 15										
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	72	2nd	41	1st	65·7	47·0	55·7	+ 1·3	2	0·27	7	- 23										
p Fort Augustus.. ..	68	72	2nd	42	1, 2	63·3	47·6	54·9	- 1·2	2	0·07	2	- 14										
p Fort William	171	80	3rd	41	1st	71·0	48·1	58·8	+ 2·0	1	0·03	1	- 26										
1. SCOTLAND, E.																							
a Nairn	82	71	2nd	42	2nd	64·3	47·3	55·2	- 0·9	0	0·00	0	- 14	Nairn	8·4	—	48	•	•	•	•	•	•
p Gordon Castle	101	72	2nd	40	1st	65·4	45·9	55·0	- 1·2	0	0·00	0	- 17	Gordon Castle..	10·8	—	61	•	•	•	•	•	•
a Aberdeen	46	66	2nd	40	1st	61·3	46·4	53·3	- 2·6	0	0·00	0	- 15	Aberdeen ..	9·6	+ 4·3	55	0	36	•	•	52·7	+1·1
a Balmoral	930	72	2, 3	36	1, 2	66·1	41·1	52·7	- 1·5	1	0·05	1	- 13	Balmoral ..	•	•	•	2	30	•	•	•	•
p Crieff	432	73	2nd	38	1st	67·0	43·7	54·5	- 3·2	3	0·10	3	- 14	Crathes	8·5	+ 3·3	49	1	30	56·8	-0·2	52·5	-0·3
a Dundee	244	68	3rd	37	1st	63·1	42·9	52·3	—	0	0·00	0	- 15	Dundee	8·9	—	51	0	33	56·9	•	•	•
a Leith	18	64	1st	46	1st	60·9	49·7	54·9	- 3·1	0	0·00	0	- 14	Leith	•	•	•	0	40	•	•	•	•
a Edinburgh	441	67	2nd	43	1st	61·7	47·6	54·2	—	0	0·00	0	- 14	Edinburgh ..	8·7	+ 3·2	51	0	34	•	•	•	•
a West Linton	769	69	7th	33	1st	64·6	40·7	51·8	- 2·5	1	0·03	1	—	West Linton ..	7·7	—	45	2	28	•	•	•	•
p Marchmont	498	69	3rd	41	2nd	62·4	44·6	52·9	- 3·1	1	0·07	2	- 15	Marchmont ..	8·0	+ 2·5	47	0	33	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	73	2, 3	36	1st	68·2	45·9	56·3	—	2	0·08	2	—	Ford (Argyll) ..	•	•	•	•	•	60·3	•	53·4	•
p Glasgow Observatory	180	73	2nd	44	1st	66·4	49·3	57·3	- 0·1	0	0·00	0	- 15	Glasgow.. ..	8·0	+ 2·9	47	0	33	•	•	•	•
p Rothesay	170	71	3rd	47	1st	65·4	50·0	57·2	+ 0·2	1	0·04	1	- 19	Rothesay ..	10·1	—	59	0	42	61·0	•	54·7	+0·7
a Kilmarnock	90	80	3rd	40	1, 5	72·3	45·4	57·9	+ 1·4	1	0·03	1	- 15	Kilmarnock ..	9·8	—	58	•	•	59·7	•	54·0	•
a Colmonell	170	75	7th	42	1st	70·0	47·7	58·1	+ 2·2	2	0·08	2	- 14	Colmonell ..	•	•	•	0	38	•	•	•	•
p Cally, Gatehouse	120	76	3rd	38	5th	70·7	45·4	57·2	+ 0·8	0	0·00	0	- 18	Dumfries ..	10·5	—	62	0	35	62·5	•	57·2	•
a Dumfries	160	75	3rd	43	1st	69·9	47·1	57·7	- 0·6	0	0·00	0	- 15	Eskdalemuir ..	8·4	—	49	1	30	•	•	•	•
a Eskdalemuir	794	71	3rd	36	1st	66·0	43·1	53·8	—	1	0·02	0·4	—										
b, I. OF MAN *p* Douglas	277	68	3, 7	50	1, 2, 5	65·4	52·0	58·2	+ 1·4	0	0·00	0	- 15	Douglas	12·1	+ 5·1	72	0	44	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	64	3rd	36	2nd	60·7	43·4	51·5	- 5·4	1	0·02	0·4	- 14										
a Tynemouth	71	61	3, 7	44	1st	59·0	49·4	53·9	- 3·0	0	0·00	0	- 12	Cockle Park ..	9·0	+ 3·0	53	0	32	59·1	+2·1	54·5	+1·1
p Durham	338	69	3rd	36	2nd	63·7	44·1	53·2	- 4·6	1	0·03	1	- 12	Durham ..	9·5	+ 3·6	56	?	?	•	•	•	•
a North .. *p* Rounton	249	69	3rd	36	1st	62·4	41·9	51·4	- 5·7	1	0·02	1	- 14	Rounton ..	•	•	•	•	30	57·2	•	•	•
a West Witton	605	71	3rd	38	1st	65·1	44·9	54·3	—	0	0·00	0	—	West Witton ..	•	•	•	0	33	58·1	•	52·9	•
p Scarborough	100	65	3rd	48	6, 7	60·0	50·1	54·7	- 3·5	1	0·02	1	- 11	Scarborough† ..	6·5	+ 0·3	38	•	•	•	•	49·0	•
p York	56	73	3rd	43	1, 2	66·6	47·9	56·6	- 3·1	0	0·00	0	- 13	York	7·9	+ 1·9	47	•	•	59·1	+1·5	55·2	+1·0
a Spurn Head	26	61	3rd	50	2, 4, 6	59·3	51·0	54·9	- 3·8	1	0·01	0·3	- 9	Spurn Head ..	4·7	—	28	•	•	•	•	•	•
b, South .. *a* Lincoln	58	—	—	45	2nd	—	49·9	—	—	0	0·00	0	- 12	Lincoln	•	•	•	•	•	61·6	-2·9	56·9	+2·3
a Fulbeck	180	71	3rd	41	2nd	66·0	46·3	55·5	- 4·4	1	0·01	0·2	- 12	Rauceby ..	8·4	+ 1·3	51	•	•	62·2	+0·6	57·4	+1·6
														Skegness ..	6·6	- 0·8	40	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	65	2, 3	30	6th	62·4	51·4	56·5	- 2·4	0	0·00	0·1	- 11	Cromer	6·4	- 0·5	39	•	•	•	•	•	•
p Little Massingham ..	280	71	3rd	45	6, 7	64·9	47·1	55·4	- 4·3	0	0·00	0·1	- 12	Lit. Massingham	9·2	+ 2·5	55	0	42	•	•	•	•
a Yarmouth	13	65	2nd	49	6th	62·6	53·4	57·7	- 1·7	0	0·00	0	- 10	Yarmouth ..	8·2	—	50	0	51	62·6	-0·4	58·7	-0·6
a Norwich	93	72	3rd	48	6th	65·9	49·9	57·3	- 2·8	0	0·00	0	- 12	Norwich ..	10·3	—	63	0	43	62·2	•	•	•
a Geldeston	37	68	3rd	46	6th	64·0	48·9	55·9	- 3·8	0	0·00	0	- 10	Geldeston ..	10·6	+ 3·4	65	•	•	•	•	•	•
p Cambridge	41	74	3rd	45	2, 6	68·0	47·7	57·1	- 3·6	0	0·00	0	- 10	Cambridge ..	9·9	+ 2·9	60	0	39	61·4	+0·8	57·8	+0·5
a Clacton-on-Sea ..	54	70	2nd	48	6th	65·4	52·3	58·4	- 1·7	0	0·00	0	- 9	Clacton	11·3	+ 3·8	69	0	46	60·9	+1·6	58·7	+1·1
a Rothamsted	424	74	3rd	44	6th	67·0	47·1	56·4	- 3·2	1	0·17	4	- 7	Rothamsted ..	9·5	+ 2·5	58	0	36	59·0	•	•	•
p Tottenham	51	74	3rd	47	2nd	68·9	50·9	59·3	- 1·5	2	0·21	5	—	Tottenham ..	9·5	—	58	0	45	•	•	59·2	+1·0
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	70	3rd	40	1, 2	64·0	45·0	53·8	- 3·8	1	0·01	0·3	- 13	Harrogate ..	8·4	+ 1·8	50	1	29	56·4	+1·2	54·7	+1·3
p Sheffield	429	70	3rd	44	1st	64·4	47·6	55·4	—	0	0·00	0	—	Sheffield.. ..	6·3	- 0·1	38	0	40	56·5	-0·5	53·4	+0·7
p Buxton	987	70	3rd	39	1st	65·0	43·7	53·6	- 3·1	0	0·00	0	- 18	Buxton	8·8	—	53	0	36	58·7	+0·9	53·6	+1·7
a Bawtry	65	75	3rd	40	2nd	67·9	45·0	55·7	- 4·1	0	0·00	0	- 10	Worksop	7·3	+ 1·5	44	1	30	58·7	•	55·4	•
a Nottingham	82	73	3rd	45	2nd	67·3	47·6	56·8	- 3·2	0	0·00	0	- 11	Nottingham ..	9·2	+ 2·9	55	0	41	59·5	+0·7	56·7	+1·3
b, East .. *p* Birmingham, Edgbsn.	535	73	3rd	44	1, 2	67·7	47·4	56·8	- 2·9	0	0·00	0	- 11	Birmingham ..	8·4	+ 3·1	51	0	38	53·5	-0·6	50·9	0·0
a Raunds	203	74	3rd	43	6th	67·6	46·4	56·3	- 4·3	0	0·00	0	- 11	Raunds	•	•	•	0	33	59·7	•	55·6	•
p Oxford	208	76	3rd	45	2nd	69·3	48·4	58·1	- 2·8	1	0·29	7	- 4	Oxford	9·6	+ 2·6	59	0	40	•	•	•	•
a Cheadle (N. Staffs.) ..	646	72	3rd	41	1, 2	66·6	44·9	55·0	- 3·1	0	0·00	0	- 14	Cheadle	•	•	•	0	40	•	•	•	•
p Shrewsbury	191	75	3rd	36	1st	70·6	45·3	57·1	- 2·6	0	0·00	0	- 9	Shrewsbury ..	•	•	•	0	31	•	•	•	•
c, West .. *a* Hereford§	291	74	3rd	39	1st	68·6	48·3	56·7	- 3·3	1	0·13	3	- 7	Malvern§	9·8	—	60	0	33	60·3	•	58·1	•
a Clifton	229	76	3rd	46	1st	69·9	50·0	59·3	- 2·8	3	0·34	9	- 6	Clifton	9·1	—	56	0	43	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	73	3rd	43	6th	66·9	47·1	56·3	- 2·2	3	1·10	28	+ 15	Worthing	8·2	+ 0·2	51	0	43	62·0	-0·6	58·7	+0·9
p Salisbury (Wilton) ..	180	76	3rd	44	2nd	70·0	48·0	58·2	- 2·4	3	1·55	39	+ 27	Marlborough ..	7·4	+ 0·9	45	0	37	60·2	•	55·6	•
a Wisley, Surrey ..	150	74	3rd	45	6th	67·9	49·0	57·8	- 2·7	3	1·02	26	+ 16	Salisbury ..	•	•	•	0	44	63·3	•	•	•
a Tunbridge Wells ..	354	73	3rd	46	6th	67·9	50·7	58·7	- 1·5	3	0·78	20	+ 9	Wisley	8·7	+ 1·5	53	0	36	60·4	-0·2	57·0	-0·3
a Margate	53	64	3rd	54	5, 6	61·7	55·3	58·3	- 2·5	1	0·02	1	- 9	Tunbridge Wells	8·7	+ 1·4	53	0	38	61·3	-0·7	58·3	•
a Dungeness	21	67	2, 3	53	1st	64·1	55·1	59·3	- 0·6	3	0·91	23	+ 14	Margate	8·4	+ 1·5	52	0	50	62·7	+3·0	61·1	+4·5
p St. Leonards	178	73	3rd	49	6th	66·6	52·6	59·1	- 1·1	3	1·09	28	+ 17	Dover	8·6	—	53	0	40	•	•	•	•
p Southampton	64	75	3rd	48	1st	69·7	50·7	59·5	- 2·4	2	1·03	26	+ 15	St. Leonards ..	9·3	+ 1·3	58	0	46	63·0	•	59·6	•
a Ventnor	59	70	1-4, 7	49	6th	68·0	52·9	59·9	- 0·9	3	1·10	28	+ 18	Southampton ..	7·2	- 0·2	45	0	41	•	•	•	•
														Ventnor	7·6	- 0·1	47	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	73	3rd	46	2nd	68·4	50·7	58·9	- 2·6	3	0·61	16	+ 5	Richmond ..	8·5	+ 1·7	52	0	33	60·4	+0·3	57·6	+1·5
a Westminster	27	74	3rd	49	2, 6	68·9	52·0	59·9	- 2·1	2	0·24	6	- 5	Westminster ..	8·7	+ 2·5	53	0	43	•	•	•	•
ag Greenwich	155	75	3rd	46	6th	69·7	49·9	59·1	- 2·9	2	0·25	6	- 7	Greenwich ..	9·5	+ 2·3	58	0	37	•	•	•	•
a Hampstead	450	72	3rd	45	2nd	66·3	48·0	56·5	—	2	0·17	4	—	Hampstead ..	8·9	—	55	0	33	•	•	•	•
ag Camden Square ..	110	78	2nd	47	2nd	73·4	51·1	61·5	- 1·5	2	0·24	6	- 6	Camden Square	8·4	+ 2·3	52	0	45	•	•	•	•
7. *a*, ENGLAND, N.W.																							
c Aspatria (Mealsgate)	487	73	3rd	42	1st	67·6	46·6	56·4	- 0·9	0	0·00	0	- 15	Aspatria.. ..	11·4	+ 4·9	67	0	41	59·3	•	53·3	•
p Newton Rigg	559	72	3rd	37	5th	68·7	43·0	55·0	- 2·4	0	0·00	0	- 13	Newton Rigg ..	10·3	+ 3·8	61	0	31	59·4	+0·9	53·6	0·0
p Stonyhurst	377	72	3rd	42	1st	68·1	46·4	56·5	- 1·4	0	0·00	0	- 17	Stonyhurst ..	10·6	+ 4·4	63	0	37	•	•	•	•
p Blackpool	66	74	3rd	43	1st	69·4	47·7	57·8	- 0·6	0	0·00	0	- 13	Blackpool ..	11·1	+ 3·7	66	0	34	59·7	•	55·0	•
a Southport	37	75	3rd	41	1st	70·6	47·0	58·0	- 0·6	0	0·00	0	- 13	Southport ..	11·9	+ 4·7	71	0	34	62·8	+0·7	59·6	+1·0
														Hoylake ..	10·0	+ 3·2	60	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	74	3rd	47	1st	69·4	50·1	59·1	- 0·1	0	0·00	0	- 12	Liverpool ..	10·9	—	65	0	40	•	•	•	•
a Hawarden Bridge ..	22	74	3rd	41	1st	70·6	48·0	58·5	- 1·3	0	0·00	0	- 10	Manchester(City)	8·8	+ 3·6	53	0	38	60·7	+2·4	58·4	+2·7
p Manchester (Whit. Pk.)	125	75	3rd	44	1st	69·7	49·0	58·6	- 1·4	0	0·00	0	- 15	Whitworth Park	9·3	+ 3·9	56	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	71	72	7th	43	1st	66·1	49·9	57·4	- 1·9	0	0·00	0	- 11	Llandudno ..	12·0	+ 5·0	72	•	•	•	•	•	•
a Holyhead	15	71	4th	48	1st	67·6	52·6	59·6	+ 1·9	0	0·00	0	- 12	Holyhead ..	11·0	—	66	0	34	•	•	•	•
p Bettws-y-Coed ..	148	73	3rd	40	1st	70·4	47·3	58·1	+ 0·2	0	0·00	0	—	Bettws-y-Coed.	10·1	—	61	•	•	54·9	-1·3	52·0	-0·8
p Aberdovey	22	74	3rd	49	1st	69·9	54·1	61·5	—	1	0·13	3	—	Aberdovey ..	9·8	+ 3·2	60	•	•	•	•	•	•

† Earth-temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	76	3rd	45	1st	69·9	52·3	60·5	—	1	0·03	1	—	Aberystwyth ..	9·8	+ 3·1	60	•	•	•	•	•	•
a Rhayader	757	70	3rd	35	1st	66·9	44·1	54·7	—	1	0·21	5	—	Rhayader ..	9·4	—	58	0	31	•	•	•	•
a St. Ann's Head	149	69	7th	48	1st	63·0	51·7	57·0	- 0·7	4	0·87	22	+ 11	St. Ann's Head	8·2	+ 0·7	50	•	•	•	•	•	•
p Cardiff	202	73	3rd	45	2nd	67·9	49·1	57·9	- 1·7	3	0·68	17	+ 4	Cardiff	9·3	—	57	0	36	61·4	+1·2	57·0	+0·2
b, ENGLAND, S.W.																							
a Bath	66	75	3rd	45	1st	69·1	48·6	58·1	- 2·2	3	0·52	13	+ 2	Bath	•	•	•	•	•	62·5	+0·8	58·7	+0·7
a Shaftesbury	722	71	3rd	45	1, 2	64·4	47·9	55·6	- 3·4	3	0·78	20	+ 9	Shaftesbury ..	•	•	•	•	•	58·7	•	56·8	•
a Arlington	613	72	7th	43	1st	65·7	49·3	56·9	- 1·0	3	0·60	15	- 2										
a Newquay	190	67	7th	43	1st	62·7	52·0	57·0	- 2·1	2	0·16	4	- 6	Newquay ..	6·1	- 1·4	38	•	•	62·3	•	56·7	•
a Cullompton	202	75	7th	45	1st	68·7	49·3	58·3	- 1·6	2	0·69	17	+ 5	Cullompton ..	6·1	- 0·6	38	0	37	60·6	•	•	•
a Portland Bill	19	67	1st	50	1, 2	62·3	52·7	57·2	- 2·1	3	0·31	8	+ 1	Weymouth ..	6·7	—	42	•	•	•	•	•	•
p Plymouth	116	68	7th	49	6th	65·0	53·9	59·1	- 1·2	2	0·15	4	- 8	Plymouth ..	5·2	- 2·3	32	0	43	61·6	-1·1	58·0	•
a Falmouth	167	69	4th	46	1st	62·7	53·4	57·7	- 1·9	2	0·18	5	- 7	Falmouth ..	6·1	- 1·9	38	0	40	63·5	•	59·4	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	64	3rd	48	1st	62·4	52·4	57·1	+ 1·0	2	0·05	1	- 11	Malin Head ..	9·7	—	57	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	72	3rd	48	1st	67·4	53·7	60·1	+ 2·7	3	0·15	4	- 10	Markree Castle	9·3	+ 4·4	55	0	35	60·4	•	54·0	•
{ *p* Markree Castle ..	122	73	2, 4	39	3rd	70·9	45·6	57·4	+ 0·7	1	0·02	1	- 14										
b, East .. { *p* Armagh	196	70	1-3	44	2nd	68·4	48·6	57·8	+ 0·2	1	0·01	0·2	- 12	Armagh	8·3	+ 3·1	49	0	40	57·7	-1·5	53·9	-1·4
{ *a* Donaghadee	101	65	2, 3	49	6th	62·1	50·3	55·8	- 1·1	1	0·01	0·3	- 12										
10. IRELAND, S.																							
p Dublin, City	47	68	3, 6	45	1st	65·9	51·7	58·3	- 1·3	0	0·00	0	- 11	Dublin City ..	•	•	•	0	42	•	•	•	•
a Birr Castle	175	73	4th	44	2, 3	70·6	47·6	58·3	+ 0·3	3	0·31	8	- 5	Trinity Coll. ..	•	•	•	0	38	60·7	+1·2	56·3	+0·5
a Kilkenny	212	71	4th	42	1st	69·0	49·7	58·7	+ 0·1	2	0·11	3	- 10	Phœnix Park ..	9·6	+ 3·7	58	0	31	•	•	•	•
a Waterford	20	72	7th	43	1st	67·1	50·6	58·3	- 0·9	2	0·48	12	- 2	Birr Castle ..	5·7	+ 0·7	34	0	37	•	•	•	•
a Seskin, Carrick-on-Suir	541	69	2nd	47	2nd	67·1	51·0	58·5	—	2	0·31	8	—	Seskin	6·9	—	42	0	36	•	•	•	•
a Cahir	199	70	1st	51	6, 7	67·9	54·0	60·5	+ 2·0	3	0·22	6	—										
a Foynes	50	69	2, 5	46	1, 2	67·1	51·1	58·5	0·0	4	0·35	9	- 5										
a Cahirciveen (Val. Obs.)	30	68	2nd	43	1st	65·4	52·0	58·2	0·0	5	1·03	26	+ 9	Cahirciveen ..	4·7	- 0·9	29	0	41	•	•	•	•
a Killarney	174	73	1st	44	1st	68·9	51·5	59·6	+ 1·0	5	0·83	21	+ 6	Ballinacurra ..	5·0	- 1·2	31	•	•	•	•	•	•
a Roche's Point	32	67	5th	50	1, 2	63·1	53·6	58·0	- 0·5	3	0·36	9	- 4										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	67	5th	50	4th	63·6	52·9	57·9	- 1·6	4	0·30	8	- 4	Scilly	6·9	- 0·8	43	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	70	7th	53	1, 5, 6	65·3	54·1	59·3	- 1·9	3	0·17	4	- 8	St. Heliers ..	4·2	- 4·3	26	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	68	7th	51	1st	64·6	53·1	58·5	- 2·3	3	0·18	5	- 7	Guernsey† ..	4·1	- 4·5	26	0	46	60·9	-0·8	59·7	+1·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 7th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.						
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	6	146	16	0	NE.	6	4 11,12	—	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	—	69	99	0	—	3	1 14	9	7	11	35
Aberdeen	153	105	52	—	—	—	—	6	122	40	0	NE. by E.	7	4 15	9	4	14	45
Edinburgh	485	39	31	—	—	—	—	—	105	63	0	NE.	5	7 15	9	7	15	5
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	—	—	16	110	42	0	N.E.	8	3 18	11	7	16	25
Paisley	188	81	52	—	—	—	—	3	103	62	0	E. by S.	6	7 19	14	7	18	20
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	2	64	102	0	SE. by S.	6	7 17	9	7	16	30
South Shields	72	61	12	—	—	—	—	6	61	101	0	SE.	6	7 15	9	7	14	50
Spurn Head	66	40	‡	—	—	—	—	29	120	19	0	—	7	7 15	9	7	15	20
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	7	13	87	56	4	8	ENE.	14	7 24	—	—	—	—
Gorleston	52	42	‡	—	—	1, 7	8	112	24	0	24	—	12	7 24	15	7	23	35
Shoeburyness	103	90	‡	—	—	7	2	106	60	0	0	E. by N.	12	7 13	15	7	13	50
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	—	—	31	99	21	17	E. by N.	8	7 18	14	7	12	40
5. ENGLAND, S.E.																		
Dover	271	40	‡	—	—	1, 2, 7	20	76	60	12	0	—	14	1 10	20	1	9	35
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—
Brighton	281	53	6	—	—	—	—	88	62	19	1	—	9	2 8	17	7	23	15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	45	106	17	0	E. by N.	10	7 15	16	7	15	45
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	—	45	123	0	E.	5	7 24	12	7	23	0
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	16	140	12	0	SE.	8	7 16	—	—	—	—
Southport	80	62	48	—	—	—	—	60	108	0	0	E.	10	7 16	15	7	16	10
Holyhead	60	40	‡	—	—	2, 7	4	73	79	12	0	ENE.	12	7 14	14	7	14	15
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	—	—	6, 7	17	33	75	43	0	E.	12	7 7	16	7	13	5
Plymouth	185	88	2	—	—	—	—	20	98	50	0	—	8	7 11	15	7	15	40
Lyme Regis	556	61	‡	—	—	—	—	7	39	122	0	—	8	7 14	12	7	13	45
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	6	82	80	0	SE.	7	6 13	—	—	—	—
Quilty	100	40	‡	—	—	—	—	39	82	47	0	—	10	7 15	15	7	15	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	15	95	58	0	S.	7	5 15	12	3	10	40
Weaver Pt.	160	30	‡	—	—	—	—	26	91	38	13	—	9	7 20	15	7	16	35
11. ENGLISH CHANNEL.																		
Scilly..	150	32	‡	—	—	—	—	34	49	85	0	ESE.	8	6 17	12	6	15	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SEVENTH WEEK of 1917—July 1st to July 7th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	80	41	89·7	81·6	85·4	− 0·2	86	0	0	0	1	− 3	0·07	2	− 17	7·2	+3·0	41	1026
Eastern.																			
1. SCOTLAND, EAST ...	73	33	90·8	80·2	85·1	− 1·4	83	− 15	0	0	1	− 3	0·03	1	− 15	8·7	+3·4	50	1026
2. ENGLAND, N.E.	73	36	89·8	81·2	85·2	− 2·4	84	− 29	0	0	1	− 2	0·01	0	− 13	8·0	+1·5	48	1026
3. ENGLAND, EAST ...	74	44	91·6	82·9	86·9	− 1·6	106	− 19	0	0	1	− 2	0·04	1	− 10	9·3	+2·3	57	1021
4. MIDLAND COUNTIES ...	76	36	93·0	81·1	86·7	− 1·6	102	− 20	0	0	1	− 2	0·08	2	− 9	8·3	+1·8	51	1023
5. ENGLAND, S.E.	76	43	92·5	83·7	87·8	− 1·0	116	− 14	0	0	3	0	0·92	24	+ 13	8·3	+0·9	51	1021
Western.																			
6. SCOTLAND, WEST ...	80	36	93·3	81·8	87·2	+ 0·3	109	+ 4	0	0	1	− 3	0·03	1	− 16	10·1	+3·9	59	1025
7. ENGLAND, N.W.	75	37	93·4	81·9	87·3	− 0·3	110	− 4	0	0	0	− 3	0·00	0	− 13	10·7	+4·3	64	1023
8. ENGLAND, S.W.	75	35	91·7	83·0	87·1	− 1·0	107	− 13	0	0	3	0	0·50	13	0	7·3	+0·2	45	1022
9. IRELAND, NORTH ...	73	39	92·4	82·8	87·3	+ 0·4	111	+ 6	0	0	2	− 2	0·09	2	− 11	8·8	+3·7	52	1023
10. IRELAND, SOUTH ...	73	42	92·6	83·7	87·8	0·0	117	+ 1	0	0	3	0	0·41	10	− 4	6·3	+0·7	38	1021
11. ENGLISH CHANNEL ...	70	50	91·1	84·9	87·8	− 0·9	116	− 12	0	0	3	0	0·22	6	− 6	5·1	−3·2	32	1021

THE SEASON (Summer).—Aggregates, &c., for the Period of 5 Weeks, June 3rd to July 7th, 1917.

0. SCOTLAND, NORTH ...	81	33	88·5	81·2	84·6	− 0·1	381	− 8	0	− 1	18	− 1	3·24	81	− 2	6·2	+1·3	35	1017
Eastern.																			
1. SCOTLAND, EAST ...	76	29	90·1	80·3	84·8	− 0·7	402	− 35	3	+3	10	− 7	2·18	55	− 11	7·7	+1·8	45	1018
2. ENGLAND, N.E.	87	36	91·7	82·1	86·6	+ 0·2	507	+ 18	0	0	11	− 4	1·28	33	− 27	7·5	+1·3	45	1019
3. ENGLAND, EAST ...	93	40	93·8	84·0	88·6	+ 1·2	632	+ 78	0	0	12	− 3	1·86	48	− 10	8·0	+1·1	49	1018
4. MIDLAND COUNTIES ...	89	36	93·5	82·4	87·6	+ 0·4	570	+ 26	0	0	12	− 3	2·07	53	− 10	7·2	+0·9	44	1018
5. ENGLAND, S.E.	90	36	93·8	84·2	88·6	+ 0·9	635	+ 58	0	0	12	− 2	3·51	89	+ 33	7·9	+0·7	49	1018
Western.																			
6. SCOTLAND, WEST ...	80	32	90·9	81·5	85·9	− 0·2	460	− 20	0	0	13	− 5	2·63	67	− 18	7·8	+1·5	46	1018
7. ENGLAND, N.W.	80	37	91·7	82·6	86·8	+ 0·1	521	+ 7	0	0	10	− 6	2·16	55	− 15	8·4	+1·9	50	1018
8. ENGLAND, S.W.	86	35	91·8	83·3	87·3	+ 0·2	549	+ 9	0	0	16	0	3·23	84	+ 14	7·5	+0·7	46	1018
9. IRELAND, NORTH ...	74	32	89·8	81·9	85·6	− 0·5	446	− 31	0	0	19	− 1	2·58	65	− 13	6·7	+1·3	40	1017
10. IRELAND, SOUTH ...	74	40	91·0	82·9	86·7	− 0·3	513	− 19	0	0	17	0	2·01	50	− 26	6·0	+0·1	37	1017
11. ENGLISH CHANNEL ...	83	48	92·2	85·1	88·4	+ 0·7	621	+ 44	0	0	14	− 1	2·31	59	+ 5	8·0	0·0	50	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 27 Weeks, December 31st, 1916, to July 7th, 1917.

0. SCOTLAND, NORTH ...	81	10	81·7	75·8	78·7	− 0·7	716	−115	684	+145	117	− 6	17·42	442	−171	3·5	0·0	27	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	82·1	74·7	78·3	− 1·2	777	−174	884	+267	90	−15	11·85	303	− 56	4·0	−0·1	32	1015
2. ENGLAND, N.E.	87	5	82·8	75·9	79·2	− 1·0	994	− 68	781	+309	91	− 4	10·42	267	− 15	4·0	−0·4	32	1016
3. ENGLAND, EAST ...	93	5	83·7	76·3	79·8	− 0·9	1224	− 28	786	+292	86	− 7	9·71	249	− 25	4·4	−0·3	35	1015
4. MIDLAND COUNTIES ...	89	4	83·8	75·7	79·6	− 1·1	1192	− 74	831	+309	82	−10	11·65	298	− 13	3·8	−0·4	30	1016
5. ENGLAND, S.E.	90	4	84·0	76·8	80·3	− 1·0	1266	− 79	693	+314	78	−12	12·39	316	+ 11	4·6	−0·2	36	1016
Western.																			
6. SCOTLAND, WEST ...	80	11	82·8	76·1	79·3	− 1·1	934	−136	663	+247	92	−20	15·36	391	−151	4·0	−0·2	32	1016
7. ENGLAND, N.W.	80	5	83·1	76·3	79·6	− 1·2	1056	− 83	703	+321	83	−16	13·13	335	− 54	4·3	0·0	34	1016
8. ENGLAND, S.W.	86	4	83·6	76·9	80·1	− 1·3	1157	−131	619	+318	87	−12	14·75	375	− 59	4·8	+0·1	38	1016
9. IRELAND, NORTH ...	74	7	83·0	76·7	79·8	− 1·1	972	−158	536	+196	107	−15	14·72	376	− 67	3·7	−0·3	29	1015
10. IRELAND, SOUTH ...	77	9	84·1	77·3	80·6	− 1·1	1213	−131	501	+241	100	− 7	14·09	359	−113	4·1	−0·3	32	1016
11. ENGLISH CHANNEL ...	83	22	84·3	78·9	81·5	− 1·1	1334	−166	347	+242	90	−14	13·31	338	− 21	5·3	−0·2	42	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : July 12th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THE TWENTY-EIGHTH WEEK OF 1917.

SUNDAY, JULY 8TH TO SATURDAY, JULY 14TH.

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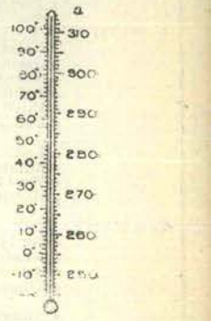
I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week a depression was moving eastward across the southern parts of the Kingdom and the Channel, causing a general Easterly wind current and considerable or heavy rain in its immediate vicinity, while further north the weather remained dry. Among the largest measurements were 36 mm. at Cambridge, 31 mm. at Oxford, 30 mm. at Norwich, and about 20 mm. in the metropolitan district. After the 9th an anticyclone extended from the Atlantic, and the wind became Northerly, with fair and dry but very cool weather. This anticyclone subsequently moved directly across the Kingdom, bringing light variable airs, and finally South and South-West winds and a higher temperature. It was followed by a large, shallow depression which spread very gradually from the westward, and by a slight secondary which passed over the southern parts of England, and produced thunderstorms on or near the east coast on the 14th. At the same time thunderstorms were being experienced at many places in the east of Scotland and the north of Ireland. In the east of England the rain accompanying the electrical disturbances was extremely heavy. At Southwell, ~~the northern suburb of~~ Norwich, there was a remarkably sharp hailstorm. Stones an inch and more in diameter fell in large numbers. The fall lasted only two minutes but was equivalent to 12 mm. of rain.



Temperature was higher than during the preceding week, and differed little from the normal. The highest readings, about 301 a, preceded the thunderstorms in East Anglia on the 14th. The lowest of the minima were generally recorded about the middle of the week; at Balmoral the thermometer descended as low as 272 a. in the screen and to 270 a. on the grass, and in most other districts the minima were below 277 a. The temperature of the sea-surface-water differed little from that of the preceding week and was still below the normal except at some western stations. Considered generally the weather was dry. At a large number of stations in central and northern England and in Scotland the week was rainless, and the only districts showing an excess of rain were England East and South-East.

Bright Sunshine exceeded the normal over the Kingdom as a whole, the excess being about 1·5 hr. per day in several districts. The mean daily duration ranged from 8·8 hr. in the English Channel to 5 hr. in Scotland East.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 24.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	3·2	8	2·9	7	4·2	8	3·1	14	5·0	—	—	16	4·6	16	5·7
North	12	3·7	10	2·0	15	4·6	14	2·4	13	3·1	—	—	8	2·9	6	1·1
West	3	0·9	8	1·9	18	1·6	9	1·4	9	2·1	—	—	4	1·0	6	1·4
East	22	2·2	12	2·6	13	4·7	9	1·4	14	5·2	—	—	17	3·6	14	1·6
Calm	1	—	7	—	1	—	6	—	1	—	—	—	1	—	6	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet] *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ...	Light	Very light	Very light	Heavy	Moderate	Moderate	Very light	Very light	Moderate	Light	Moderate	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 6 weeks from June 3rd, 1917.	Warmth ...	2, 3, 1	1, 3, 2	3, 1, 2	3, 1, 2	3, 1, 2	3, 0, 3	1, 3, 2	1, 4, 1	1, 3, 2	1, 3, 2	2, 2, 2	3, 2, 1
	Rainfall ...	1, 2, 3	2, 0, 4	0, 2, 4	2, 1, 3	1, 3, 2	2, 3, 1	2, 0, 4	1, 1, 4	1, 4, 1	1, 2, 3	0, 6, 0	2, 3, 1
	Sunshine ...	3, 3, 0	3, 3, 0	3, 3, 0	3, 2, 1	3, 2, 1	2, 3, 1	3, 2, 1	4, 2, 0	3, 2, 1	3, 2, 1	2, 3, 1	2, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(19372—19.) Wt. 153—442. 450. 7/17. D & S. G. 17/20.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		F.	°F	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F	°F	°F.	°F.	°F.	°F.
a. Islands .. a Lerwick ..	54	60	13, 14	44	12th	55·7	48·1	51·6	0·0	3	0·26	7	- 4										
p Deerness	160	68	14th	45	11th	58·1	48·7	53·1	—	1	0·04	1	- 12	Deerness	3·6	- 1·2	20	•	•	•	•	•	•
a Stornoway	51	67	14th	41	11th	61·6	49·9	55·3	+ 1·8	2	0·35	9	- 8	Stornoway	9·9	+ 3·9	51	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
b. Mainland. a Wick	81	63	14th	37	11th	56·6	48·9	52·5	- 0·9	2	0·05	1	- 12										
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	70	12th	40	11th	64·6	47·7	55·6	+ 2·0	3	0·54	14	- 12										
p Fort Augustus	68	73	13th	37	10th	64·9	47·9	55·8	+ 0·3	1	0·05	1	- 13	Fort Augustus	5·1	+ 1·2	29	•	•	•	•	•	•
p Fort William	171	73	13th	41	11th	69·3	48·1	58·0	+ 2·0	2	0·20	5	- 19										
1. SCOTLAND, E.																							
a Nairn	82	76	12th	35	11th	66·9	45·9	55·7	- 0·6	2	0·09	2	- 13	Nairn	7·0	—	41	•	•	•	•	•	•
p Gordon Castle	101	75	13th	37	11th	66·7	49·9	57·7	+ 1·4	2	0·22	6	- 12	Gordon Castle	6·1	—	35	•	•	•	•	•	•
a Aberdeen	46	73	12th	39	11th	63·0	50·4	56·3	+ 0·1	1	0·20	5	- 11	Aberdeen	3·9	- 1·6	23	0	36	—	—	53·5	+1·2
a Balmoral	930	73	14th	30	11th	62·7	42·4	51·8	- 2·5	2	0·08	2	- 13	Balmoral	•	•	•	2	26	•	•	•	•
p Crieff	432	73	14th	40	12th	65·3	45·0	54·4	- 3·4	1	0·02	1	- 16	Crathes	4·0	- 1·4	23	1	27	57·5	-0·4	53·3	-0·3
a Dundee	244	74	14th	34	11th	65·7	45·9	55·1	—	1	0·01	0	- 16	Dundee	5·3	—	31	0	32	56·9	•	•	•
a Leith	18	74	13th	48	11th	65·7	51·3	58·0	- 0·2	0	0·00	0	- 15	Leith	•	•	•	0	43	•	•	•	•
a Edinburgh	441	76	13th	44	8th	64·6	50·8	57·1	—	0	0·00	0	- 15	Edinburgh	5·3	0·0	31	0	37	•	•	•	•
a West Linton	769	73	13th	36	10th	64·1	44·7	53·2	- 1·3	0	0·00	0	—	West Linton	5·3	—	31	1	28	•	•	•	•
p Marchmont	498	79	13th	41	11th	66·7	47·1	56·2	- 0·1	0	0·00	0	- 18	Marchmont	4·4	- 0·9	26	0	33	•	•	•	•
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	69	13th	37	11th	64·8	50·2	57·0	—	2	0·26	7	—	Ford (Argyll)	•	•	•	•	•	60·3	•	55·2	•
p Glasgow Observatory	180	74	13th	45	11th	66·1	50·7	57·9	+ 0·4	1	0·02	0·4	- 20	Glasgow	4·5	- 0·6	27	0	33	•	•	•	•
p Rothesay	170	67	13th	46	9th	62·9	49·6	55·8	- 1·3	1	0·03	1	- 24	Rothesay	6·2	—	37	0	40	59·0	•	55·0	+0·3
a Kilmarnock	90	74	13th	39	11th	68·9	46·4	56·9	+ 0·3	0	0·00	0	- 20	Kilmarnock	6·0	—	36	0	37	59·2	•	55·0	•
a Colmonell	170	71	14th	41	9, 10	67·0	48·7	57·2	+ 1·2	0	0·00	0	- 20	Colmonell	•	•	•	0	33	•	•	•	•
p Cally, Gatehouse	120	70	13, 14	39	10th	67·9	44·9	55·6	- 0·9	0	0·00	0	- 22	Dumfries	7·5	—	44	0	33	61·5	•	58·3	•
a Dumfries	160	73	13th	41	10, 11	67·3	48·1	57·0	- 1·4	0	0·00	0	- 19	Eskdalemuir	6·8	—	40	2	30	•	•	•	•
a Eskdalemuir	794	71	13th	35	10, 11	63·7	42·3	52·3	—	1	0·01	1	-										
b. I. OF MAN p Douglas	277	65	14th	46	10, 11	63·0	51·0	56·6	- 0·4	0	0·00	0	- 19	Douglas	7·9	+ 0·8	48	0	40	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	72	12th	37	11th	65·6	48·1	56·2	- 1·4	1	0·30	8	- 6										
a Tynemouth	71	71	12th	45	11th	62·0	51·3	56·3	- 1·3	0	0·00	0	- 12	Cockle Park	4·0	- 1·7	24	0	31	60·0	+1·9	55·0	+0·8
p Durham	336	79	13th	35	11th	65·3	48·6	57·8	- 0·7	1	0·01	0·2	- 13	Durham	5·6	+ 0·1	34	•	•	•	•	•	•
a North .. a Rounton	249	80	13th	37	11th	68·4	49·0	58·0	+ 0·2	0	0·00	0	- 15	Rounton	•	•	•	1	30	58·6	•	•	•
a West Witton	605	78	13th	37	11th	68·3	49·0	58·0	—	0	0·00	0	—	West Witton	•	•	•	0	31	58·6	•	53·0	•
p Scarborough	100	70	13th	50	9, 11	63·7	51·7	57·3	- 1·7	0	0·00	0	- 12	Scarborough	7·3	+ 1·5	44	•	•	•	•	49·0	•
p York	56	82	13th	41	11th	70·9	50·4	59·9	- 0·4	0	0·00	0	- 13	York	7·5	+ 1·8	45	•	•	59·9	+1·5	55·9	+1·2
b. South .. a Spurn Head	26	74	12th	46	11th	61·4	52·1	57·8	- 1·7	1	0·04	1	- 8	Spurn Head	6·5	—	39	•	•	•	•	•	•
a Lincoln	58	—	—	43	11th	—	50·4	—	—	0	0·00	0	- 11	Lincoln	•	•	•	•	•	61·6	+3·1	57·0	+1·9
a Fulbeck	180	80	13th	36	11th	71·0	48·1	58·8	- 1·8	3	0·09	2	- 10	Rauceby	7·6	+ 0·8	46	•	•	63·5	+0·2	57·8	+1·3
														Skegness	7·3	+ 0·2	45	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	78	13th	50	11, 12	67·6	53·4	60·6	+ 0·5	3	0·43	11	- 3	Cromer	7·2	+ 0·4	44	•	•	•	•	•	•
p Little Massingham	280	82	13, 14	43	11th	70·4	50·4	59·7	- 0·5	3	0·67	17	+ 2	Lit. Massingham	6·8	+ 0·4	42	0	36	•	•	•	•
a Yarmouth	13	77	14th	46	14th	65·1	54·4	59·4	- 0·7	2	1·18	30	+ 17	Yarmouth	7·8	—	48	0	44	62·4	-1·4	58·9	-0·9
a Norwich	93	82	14th	45	11th	69·1	53·0	60·5	- 0·2	5	1·29	33	+ 18	Norwich	7·4	—	45	0	40	62·1	•	•	•
a Geldeston	37	83	14th	43	11th	69·3	52·0	60·1	- 0·2	4	2·17	55	+ 42	Geldeston	7·3	+ 0·4	45	•	•	•	•	•	•
p Cambridge	41	80	14th	40	11th	70·0	50·0	59·3	- 1·9	2	1·44	37	+ 25	Cambridge	7·5	+ 0·8	46	0	36	62·0	+0·2	58·3	+0·3
a Clacton-on-Sea	54	73	14th	45	11th	66·0	54·1	59·6	- 1·2	2	0·34	9	- 2	Clacton	8·2	+ 1·0	51	0	42	61·1	+1·1	58·9	+0·6
a Rothamsted	424	76	13th	45	10, 11	67·0	49·4	57·6	- 2·5	1	0·75	19	+ 6	Rothamsted	7·6	+ 0·8	47	0	39	59·2	•	•	•
p Tottenham	51	80	14th	48	10, 11	69·7	53·0	60·8	- 0·8	2	0·96	24	—	Tottenham	8·4	—	52	0	45	•	•	59·4	+0·3
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	78	13th	40	11th	68·1	48·6	57·7	- 0·2	0	0·00	0	- 15	Harrogate	7·2	+ 1·2	43	0	33	57·6	+1·5	55·3	+1·1
p Sheffield	429	78	13th	44	11th	68·9	51·1	59·4	0·0	0	0·00	0	—	Sheffield	6·1	+ 0·2	37	0	36	58·2	+0·4	53·6	+0·3
p Buxton	987	76	13th	40	11th	67·7	47·9	57·1	+ 0·3	0	0·00	0	- 22	Buxton	7·1	—	43	0	36	61·3	+2·5	54·1	+1·5
b. East .. a Bawtry	65	81	13th	37	11th	71·3	48·9	59·3	- 0·7	0	0·00	0	- 13	Worksop	6·1	+ 0·8	37	1	29	60·4	•	56·0	•
a Nottingham	82	80	13th	39	11th	71·3	49·9	59·9	- 0·4	1	0·04	1	- 12	Nottingham	6·9	+ 1·1	42	0	35	61·6	+1·7	57·2	+1·1
a Birmingham, Edgbsn.	535	77	13th	47	10, 11	69·6	51·4	59·9	- 0·1	1	0·12	3	- 10	Birmingham	6·2	+ 1·3	38	0	41	55·7	+0·4	51·4	0·0
a Raunds	203	80	14th	41	11th	70·7	49·3	59·3	- 1·8	2	0·34	9	- 5	Raunds	•	•	•	0	31	60·4	•	55·7	•
p Oxford	208	76	13, 14	47	10th	69·3	51·9	60·0	- 1·3	2	1·23	31	+ 18	Oxford	6·9	+ 0·4	43	0	40	•	•	•	•
c. West .. a Cheadle (N. Staffs.)	646	77	13th	43	11th	70·0	50·3	59·5	+ 1·2	0	0·00	0	- 16	Cheadle	•	•	•	0	43	•	•	•	•
p Shrewsbury	191	78	13, 14	41	11th	72·4	50·0	60·4	+ 0·4	0	0·00	0	- 10	Shrewsbury	•	•	•	0	32	•	•	•	•
a Hereford§	291	77	14th	43	11th	68·4	48·9	58·0	- 2·3	1	0·60	15	+ 3	Malvern§	6·7	—	41	0	37	61·5	•	58·8	•
a Clifton	229	78	13th	50	9, 10	68·6	53·3	65·4	- 1·8	1	0·45	12	- 6	Clifton	6·4	—	40	0	48	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	75	14th	42	12th	67·0	48·3	57·0	- 2·2	2	0·79	20	+ 7	Worthing	7·3	- 0·5	46	0	45	63·0	-0·5	59·0	+0·4
p Salisbury (Wilton)	180	77	14th	46	11th	69·9	50·4	59·5	- 1·9	2	0·51	13	+ 1	Marlborough	6·8	- 0·5	36	0	39	61·3	•	56·3	•
a Wisley, Surrey	150	79	14th	45	10th	69·6	51·6	60·0	- 1·3	2	0·63	16	+ 6	Salisbury	•	•	•	0	46	64·7	•	•	•
a Tunbridge Wells	354	81	14th	46	12th	69·6	52·3	60·4	- 0·6	2	0·71	18	+ 6	Wisley	7·8	+ 0·8	49	0	35	61·1	-0·6	57·2	-0·8
a Margate	53	80	14th	51	12th	67·7	55·4	61·1	- 0·7	2	0·54	14	+ 4	Tunbridge Wells	6·8	- 0·3	43	0	39	61·7	-1·2	58·7	•
														Margate	7·3	+ 0·5	45	0	47	63·4	+2·7	61·4	+4·1
a Dungeness	21	71	13th	46	11th	66·3	54·0	59·7	- 1·0	4	0·20	5	- 5	Dover	7·6	—	43	0	35	•	•	•	•
p St. Leonards	178	73	13th	51	10th	67·0	55·4	60·8	- 0·2	3	0·13	3	- 9	St. Leonards	7·9	+ 0·1	49	0	48	63·6	•	59·7	•
p Southampton	64	77	14th	49	10th	68·7	54·6	61·2	- 1·5	2	0·26	7	- 5	Southampton	6·0	- 1·3	38	0	44	•	•	•	•
a Ventnor	59	74	14th	50	10th	66·0	55·3	60·3	- 1·3	2	0·24	6	- 6	Ventnor	5·7	- 1·9	36	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	78	13th	48	10th	70·2	52·7	60·8	- 1·5	2	0·85	22	+ 11	Richmond	8·3	+ 1·6	52	0	36	61·2	0·0	57·2	+0·6
a Westminster	27	80	14th	49	10, 11	70·8	54·4	62·0	- 0·8	2	0·72	18	+ 6	Westminster	7·9	+ 1·9	49	0	43	•	•	•	•
ag Greenwich	155	85	14th	45	11th	72·0	51·6	61·1	- 1·6	2	0·82	21	+ 8	Greenwich	8·2	+ 0·8	51	0	35	•	•	•	•
a Hampstead	450	78	14th	45	10th	67·8	51·3	59·0	—	2	0·90	23	—	Hampstead	8·1	—	50	0	34	•	•	•	•
ag Camden Square	110	83	14th	47	10, 11	73·3	52·7	62·3	- 1·5	2	0·77	20	+ 7	Camden Square	7·4	+ 1·9	46	0	45	•	•	•	•
7. a. ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	75	13th	40	10th	66·1	49·0	57·0	- 0·6	0	0·00	0	- 19	Aspatria	8·7	+ 2·5	52	0	38	60·1	•	54·8	•
p Newton Rigg	559	77	13th	36	10, 11	69·7	46·6	57·4	- 0·4	0	0·00	0	- 16	Newton Rigg	9·2	+ 2·9	54	2	28	60·2	+0·8	54·2	-0·2
p Stonyhurst	377	77	13th	41	11th	69·4	50·6	59·4	+ 1·2	0	0·00	0	- 21	Stonyhurst	5·7	- 0·4	34	0	36	•	•	•	•
p Blackpool	66	78	13th	42	10th	68·0	49·7	58·2	- 0·7	0	0·00	0	- 16	Blackpool	8·5	+ 1·3	51	1	28	59·5	•	55·3	•
a Southport	37	79	13th	42	11th	69·3	50·3	59·1	+ 0·1	0	0·00	0	- 16	Southport	8·2	+ 1·1	49	0	31	63·6	+0·4	60·2	+0·7
														Hoylake	8·1	+ 1·4	49	•	•	•	•	•	•
a Liverpool (Bidston)	188	79	13th	49	11th	69·7	52·9	60·7	+ 1·1	1	0·04	1	- 13	Liverpool	8·8	—	54	0	45	•	•	•	•
a Hawarden Bridge	22	79	13th	46	11th	70·4	51·9	60·5	+ 0·3	0	0·00	0	- 12	Manchester (City)	5·5	+ 0·5	34	0	42	62·2	+2·8	59·2	+2·8
p Manchester (Whit. Pk.)	125	82	13th	45	10, 11	72·0	52·1	61·4	+ 1·1	0	0·00	0	- 18	Whitworth Park	6·3	+ 0·9	38	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	71	76	13th	45	11th	66·7	52·1	58·9	- 0·8	1	0·12	3	- 10	Llanduduo	8·7	+ 1·9	53	•	•	•	•	•	•
a Holyhead	15	69	12th	49	11th	64·9	53·1	58·6	+ 0·5	1	0·04	1	- 13	Holyhead	7·4	—	45	0	40	•	•	•	•
r. Bettws-y-Coed	1 8	78	12th	40	11th	70·4	49·0	59·0	+ 0·8	1	0 02	1	—	Bettws-y-Coed.	7·8	—	48	•	•	59·3	-1·2	57·0	-1·4
p Aberdovey	22	73	12th	52	9, 11	67·1	54·9	60·6	—	1	0·05	1	—	Aberdovey	8·0	+ 1·5	49	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
8. *a*, SOUTH WALES													
a Aberystwyth	59	74	12th	46	11th	66·0	52·9	59·0	—	2	0·47	12	—
a Rhayader	757	75	13th	39	11th	67·1	47·9	56·8	—	2	0·53	14	—
a St. Ann's Head	149	65	12th	47	11, 12	62·7	52·0	57·0	− 0·9	2	0·14	4	− 9
p Cardiff	202	73	13th	48	11, 12	67·9	51·0	58·9	− 0·9	1	0·71	18	+ 2
b, ENGLAND, S.W.													
a Bath	66	76	13th	43	12th	68·6	52·0	59·7	− 1·0	3	0·35	9	− 4
a Shaftesbury	722	72	14th	48	9, 10	65·9	51·3	58·1	− 1·3	3	0·60	15	+ 1
a Arlington	613	71	13th	48	10th	67·3	51·9	59·1	+ 1·0	2	0·15	4	− 17
a Newquay	190	70	12th	49	11th	65·4	53·9	59·3	− 0·2	1	0·10	3	− 9
a Cullompton	202	75	14th	48	12th	71·3	52·4	61·2	+ 1·0	3	0·79	20	+ 6
a Portland Bill	19	64	13, 14	54	9, 10, 11	61·7	55·1	58·2	− 1·5	2	0·24	6	− 3
p Plymouth	116	72	12th	51	11th	69·1	56·1	62·2	+ 1·7	3	0·37	9	− 6
a Falmouth	187	70	11, 13, 14	51	10, 11	67·7	54·0	60·4	+ 0·5	1	0·17	4	− 11
9. IRELAND, N.													
a, West .. *a* Malin Head	208	69	12, 14	48	9th	63·6	52·4	57·6	+ 1·5	3	0·31	8	− 8
a Blacksod Point ..	327	66	9, 10	50	10th	64·0	54·0	58·7	+ 1·4	5	0·98	25	+ 7
p Markree Castle ..	122	70	13th	36	9th	67·7	48·7	57·5	+ 0·8	5	0·45	11	− 9
b, East .. *p* Armagh	196	75	13th	41	10th	67·1	50·0	58·0	+ 0·4	3	0·06	1	− 16
a Donaghadee	101	69	13th	48	10, 11	63·3	50·7	56·6	− 0·4	1	0·12	3	− 13
10. IRELAND, S.													
p Dublin, City	47	76	13th	47	10th	67·4	54·6	60·6	+ 0·8	1	0·03	1	− 14
a Birr Castle	175	72	13th	41	10th	68·1	52·0	59·5	+ 1·4	3	0·28	7	− 10
a Kilkenny	212	73	13th	45	10, 11	68·0	51·3	59·1	+ 0·4	3	0·10	3	− 13
a Waterford	20	69	10, 12, 13	46	10th	67·0	54·7	60·4	+ 1·1	3	0·33	8	− 10
a Seskin, Carrick-on-Suir	541	68	10, 13	46	10th	65·0	51·3	57·7	—	4	0·30	8	—
a Cahir	199	—	—	—	—	—	—	—	—	3	0·08	2	—
a Foynes	50	73	13th	50	10, 11	66·1	52·9	60·0	+ 1·5	3	0·10	3	− 15
a Cahirciveen (Val. Obs.)	30	66	10, 11	52	10th	64·3	55·4	59·5	+ 1·2	5	2·09	53	+ 33
a Killarney	174	75	10th	49	10, 11	70·0	54·5	61·7	+ 3·0	6	1·07	27	+ 10
a Roche's Point	32	67	10, 11	53	10th	65·3	53·3	60·5	+ 1·9	6	0·30	8	− 7
11. ENGLISH CHANNEL.													
a Scilly, St. Mary's ..	131	67	13th	52	10th	65·1	54·9	59·6	− 0·6	3	0·21	5	− 7
a Jersey, St. Aubins ..	25	76	13th	50	11th	68·0	55·4	61·3	− 0·6	1	0·24	6	− 5
a Guernsey (Villa Carey)	180	77	13th	52	10th	69·3	55·6	62·0	+ 0·5	2	0·34	9	− 3

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
Aberystwyth ..	3·2	+ 2·1	51	•	•	•	•	•	•
Rhayader ..	7·0	—	44	0	34	•	•	•	•
St. Ann's Head ..	3·6	+ 1·7	53	•	•	•	•	•	•
Cardiff	7·1	—	44	0	37	62·5	+2·0	57·3	-0·2
Bath	•	•	•	•	•	63·4	+0·6	50·5	+0·5
Shaftesbury ..	•	•	•	•	•	59·9	•	57·0	•
Newquay ..	3·5	+ 1·6	54	•	•	63·0	•	57·2	•
Cullompton ..	7·1	+ 0·9	44	0	43	62·7	•	•	•
Weymouth ..	7·0	—	44	•	•	•	•	•	•
Plymouth ..	3·9	+ 1·9	56	0	46	64·4	+0·4	58·5	•
Falmouth ..	3·7	+ 1·2	55	0	45	64·9	•	60·4	•
Malin Head ..	3·0	—	47	•	•	•	•	•	•
Markree Castle	6·3	+ 1·6	38	0	33	60·9	•	54·9	•
Armagh	6·6	+ 1·6	40	0	35	58·0	-2·8	54·7	-1·4
Dublin City ..	•	•	•	0	44	•	•	•	•
Trinity Coll. ..	•	•	•	0	39	61·2	+0·5	57·0	+0·4
Phœnix Park ..	6·9	+ 1·1	42	0	32	•	•	•	•
Birr Castle ..	6·2	+ 1·3	38	0	33	•	•	•	•
Seskin	7·1	—	44	0	42	•	•	•	•
Cahirciveen ..	4·4	− 1·0	27	0	48	•	•	•	•
Ballinacurra ..	7·2	+ 1·1	45	•	•	•	•	•	•
Scilly	9·0	+ 1·8	57	•	•	•	•	•	•
St. Heliers ..	8·4	+ 0·2	54	•	•	•	•	•	•
Guernsey† ..	9·1	+ 0·8	57	0	46	63·2	+0·6	59·9	+0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 14th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m
0. SCOTLAND, N.															
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	36	122	10	0	S. by E. 8	13 6	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	—	96	66	6	— 5	11 16	11	11 13 50
Aberdeen	153	105	52	—	—	—	—	9	132	27	0	S. 6	12 14	11	11 15 10
Edinburgh	485	39	31	—	—	—	—	8	117	43	0	NE. by E. 6	8 15	11	8 13 10
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	—	—	51	66	51	0	S. by W. 9	13 13	14	8 9 40
Paisley	188	81	52	—	—	—	—	13	95	60	0	E. 7	8 12	15	8 14 5
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	3	104	61	0	S. by E. 7	13 14	12	13 13 45
South Shields	72	61	12	—	—	—	—	15	101	52	0	SE. by S. 7	13 13	11	10 8 25
Spurn Head	66	40	‡	—	—	9	5	73	81	9	0	— 12	9 14	15	9 15 20
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	8, 9	10	48	82	3	25	ENE. 14	8 2	—	— — —
Gorleston	52	42	‡	—	—	8	11	105	44	8	0	— 12	8 2	17	14 18 0
Shoeburyness	103	90	‡	—	—	—	—	50	113	5	0	E. by N. 9	8 4	12	8 4 30
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	12	117	39	0	S. 8	13 13	15	13 12 15
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	—	—	43	97	28	0	— 9	14 11	16	14 7 20
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	—	— — —
Brighton	261	53	6	—	—			28	115	22	3	— 7	13 16	13	8 0 10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	8	109	51	0	N. 6	9 14	12	9 11 5
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	—	70	98	0	E. by N. 5	8 8	9	8 0 20
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	35	116	17	0	S. by W. 9	13 13	—	— — —
Southport	80	62	48	—	—	—	—	55	102	11	0	E. by N. 10	8 5	15	8 6 30
Holyhead	60	40	‡	—	—	8	18	111	35	4	0	ENE. 17	8 4	21	8 3 55
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	8	3	33	66	45	21	WSW. 12	8 14	17	8 14 5
Plymouth	185	88	2	—	—	—	—	26	75	67	0	— 10	13 2	15	13 0 15
Lyme Regis	556	61	‡	—	—	—	—	—	9	159	0	— 5	9 16	8	9 15 40
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	8	3	72	84	9	0	ENE. 11	8 6	—	— — —
Quilty	100	40	‡	—	—	12	5	67	82	14	0	— 14	12 13	20	12 13 15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	12	2	73	44	29	20	S. by E. 11	12 14	17	12 14 25
Weaver Pt.	160	30	‡	—	—	—	—	54	104	10	0	— 9	8 11	15	8 10 10
11. ENGLISH CHANNEL.															
Scilly	150	3‹	‡	—	—	9	3	24	39	102	0	WNW. 12	9 2	15	9 1 0

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday. * Above tops of trees

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-EIGHTH WEEK of 1917—July 8th to July 14th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	73	37	89·7	82·1	85·7	+ 0·5	90	+ 1	0	0	2	− 2	0·24	6	− 11	5·9	+1·3	34	1018
Eastern.																			
1. SCOTLAND, EAST ...	79	30	91·4	81·3	86·0	− 0·6	94	− 6	0	0	1	− 3	0·08	2	− 15	5·0	−0·5	29	1018
2. ENGLAND, N.E.	82	35	92·3	82·9	87·3	− 0·6	111	− 5	0	0	1	− 2	0·05	1	− 12	6·6	+0·4	40	1018
3. ENGLAND, EAST ...	83	40	93·1	84·2	88·4	− 0·4	124	− 6	0	0	3	0	1·02	26	+ 13	7·6	+0·8	47	1017
4. MIDLAND COUNTIES ...	81	37	94·1	83·2	88·2	− 0·2	122	− 2	0	0	1	− 2	0·28	7	− 6	6·5	+0·6	40	1017
5. ENGLAND, S.E.	81	42	93·1	84·7	88·6	− 0·7	127	− 6	0	0	2	− 1	0·49	12	+ 1	7·0	−0·2	44	1017
Western.																			
6. SCOTLAND, WEST ...	74	37	91·9	82·3	86·8	− 0·1	104	− 1	0	0	1	− 3	0·04	1	− 21	6·2	0·0	37	1018
7. ENGLAND, N.W.	82	36	93·4	83·4	88·1	+ 0·3	120	+ 3	0	0	1	− 2	0·02	1	− 16	8·1	+1·8	49	1017
8. ENGLAND, S.W.	76	39	92·4	84·3	88·1	− 0·2	120	− 2	0	0	2	− 1	0·41	10	− 6	8·1	+1·6	51	1017
9. IRELAND, NORTH ...	75	36	91·7	83·7	87·4	+ 0·5	112	+ 7	0	0	3	− 1	0·37	9	− 9	6·5	+1·5	39	1015
10. IRELAND, SOUTH ...	76	41	92·6	85·2	88·6	+ 0·8	127	+ 10	0	0	4	0	0·49	12	− 6	6·2	+0·7	38	1015
11. ENGLISH CHANNEL ...	77	50	92·7	85·9	89·1	0·0	133	0	0	0	2	− 1	0·26	7	− 5	8·8	+0·9	56	1018

THE SEASON (Summer).—Aggregates, &c., for the Period of 6 Weeks, June 3rd to July 14th, 1917.

0. SCOTLAND, NORTH ...	81	33	88·7	81·3	84·8	0·0	471	− 7	0	− 1	20	− 3	3·48	87	− 13	6·2	+1·3	35	1017
Eastern.																			
1. SCOTLAND, EAST ...	79	29	90·3	80·5	85·0	− 0·7	496	− 41	3	+3	11	−10	2·26	57	− 26	7·3	+1·5	42	1018
2. ENGLAND, N.E.	87	35	91·8	82·3	86·7	+ 0·1	618	+ 13	0	0	12	− 6	1·33	34	− 39	7·3	+1·1	44	1019
3. ENGLAND, EAST ...	93	40	93·7	84·0	88·5	+ 0·9	756	+ 72	0	0	15	− 3	2·88	74	+ 3	8·0	+1·1	48	1018
4. MIDLAND COUNTIES ...	89	36	93·6	82·6	87·7	+ 0·3	692	+ 24	0	0	13	− 5	2·35	60	− 16	7·1	+0·9	43	1018
5. ENGLAND, S.E.	90	36	93·7	84·3	88·6	+ 0·6	762	+ 52	0	0	14	− 3	4·00	101	+ 34	7·8	+0·6	48	1018
Western.																			
6. SCOTLAND WEST ...	80	32	91·1	81·6	86·0	− 0·3	564	− 21	0	0	14	− 8	2·67	68	− 39	7·5	+1·2	44	1018
7. ENGLAND, N.W.	82	36	92·0	82·8	87·1	+ 0·2	641	+ 10	0	0	11	− 8	2·18	56	− 31	8·4	+1·9	50	1018
8. ENGLAND, S.W.	86	35	91·9	83·5	87·4	+ 0·1	669	+ 7	0	0	18	− 1	3·64	94	+ 8	7·6	+0·8	47	1018
9. IRELAND, NORTH ...	75	32	90·2	82·2	85·9	− 0·4	558	− 24	0	0	22	− 2	2·95	74	− 22	6·7	+1·4	40	1017
10. IRELAND, SOUTH ...	76	40	91·3	83·3	87·0	− 0·1	640	− 9	0	0	21	0	2·50	62	− 32	6·1	+0·3	37	1017
11. ENGLISH CHANNEL ...	83	48	92·3	85·3	88·5	+ 0·6	754	+ 44	0	0	16	− 2	2·57	66	0	8·1	+0·1	51	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 28 Weeks, December 31st, 1916, to July 14th, 1917.

0. SCOTLAND, NORTH ..	81	10	82·0	76·0	78·9	− 0·7	806	−114	684	+145	119	− 8	17·66	448	−182	3·6	0·0	27	1015
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	82·4	75·0	78·5	− 1·3	871	−180	884	+267	91	−18	11·93	305	− 71	4·1	0·0	32	1015
2. ENGLAND, N.E.	87	5	83·1	76·1	79·5	− 1·0	1105	− 73	781	+309	92	− 6	10·47	268	− 27	4·1	−0·4	32	1016
3. ENGLAND, EAST ..	93	5	84·0	76·6	80·1	− 0·9	1348	− 34	786	+292	89	− 7	10·73	275	− 12	4·5	−0·2	35	1015
4. MIDLAND COUNTIES ...	89	4	84·2	76·0	79·9	− 1·1	1314	− 76	831	+309	83	−12	11·93	305	− 19	3·9	−0·3	31	1016
5. ENGLAND, S.E.	90	4	84·4	77·1	80·6	− 1·0	1393	− 85	693	+314	80	−13	12·88	328	+ 12	4·7	−0·2	37	1016
Western.																			
6. SCOTLAND, WEST ...	80	11	83·2	76·3	79·6	− 1·1	1038	−137	663	+247	93	−23	15·40	392	−172	4·1	−0·1	32	1016
7. ENGLAND, N.W.	82	5	83·5	76·6	79·9	− 1·1	1176	− 80	703	+321	84	−18	13·15	336	− 70	4·5	+0·1	35	1016
8. ENGLAND, S.W.	86	4	83·9	77·1	80·4	− 1·2	1277	−133	619	+318	89	−13	15·16	385	− 65	4·9	+0·2	39	1016
9. IRELAND, NORTH ...	75	7	83·4	77·0	80·0	− 1·1	1084	−151	536	+196	110	−16	15·09	385	− 76	3·8	−0·2	30	1015
10. IRELAND, SOUTH ..	77	9	84·4	77·6	80·9	− 1·0	1340	−121	501	+241	104	− 7	14·58	371	−119	4·2	−0·2	33	1016
11. ENGLISH CHANNEL ...	83	22	84·6	79·1	81·8	− 1·1	1467	−166	347	+242	92	−15	13·57	345	− 26	5·4	−0·2	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : July 19th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 113

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 29.

THE TWENTY-NINTH WEEK OF 1917.
SUNDAY, JULY 15TH TO SATURDAY, JULY 21ST.

Price 6d., Post free 7d.
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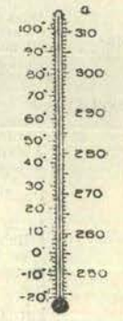
I.—GENERAL SUMMARY. [First published in 1878.]



Conditions were of a rather disturbed cyclonic type until after the passage of a depression from west to east across the British Isles on Wednesday night. By the end of the week an anticyclone had become established over this country. In the earlier part of the week, particularly on the 15th, thunderstorms were general over the eastern parts of England and Scotland, but the last two days there were very few. The heaviest rains of the week were not associated with the thunderstorms of the 15th but occurred on the 18th during the passage of the depression when falls of between 25 and 30 mm. were reported from a good many Scottish stations. In the four days Monday to Thursday Aberdeen measured a total fall of 76 mm. On the 20th a local fall of 24 mm. was measured in a single shower at Cahir (Co. Tipperary) between 11 G.M.T. and noon.

The mean District-values show that rainfall was somewhat in excess of the normal over all parts of the country with the exception of England North-East and East. Air-temperature was generally a little above normal but in no District did the excess amount to as much as 1 a. Maximum temperatures between 295 and 297 a. were attained in almost all parts of the country, for the most part on the last day of the week. Temperature of the sea-surface-water had again changed little from the preceding week. It remained below normal in the east There was a slight deficiency of bright sunshine in England South-West and the English Channel, but generally the week was bright. The excess above the normal amounted to more than 2 hours per day over the whole of Scotland. Dover with 10 hours per day and Blackpool and Southport with 9½ hours were the sunniest of the reporting stations.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 26.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	8	1·6	12	1·9	16	3·1	18	3·0	20	3·9	10	3·1	14	3·6	18	2·9
North	14	3·6	7	2·9	8	1·9	3	1·4	2	1·0	11	1·1	1	1·8	3	1·3
West	16	3·9	16	3·9	16	3·5	20	2·9	21	3·8	23	3·3	15	6·5	15	4·1
East	8	3·0	5	2·6	9	2·2	2	2·4	2	3·9	1	2·2	7	2·2	6	2·3
Calm	3	—	5	—	1	—	6	—	4	—	3	—	3	—	6	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual
Comparison with normal for the time of year ... Rainfall ...	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate
Comparison with normal for the time of year ... Sunshine ...	Very abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Scanty

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 7 weeks from June 3rd, 1917.	Warmth ...	3, 3, 1	1, 4, 2	4, 1, 2	4, 1, 2	4, 1, 2	3, 1, 3	2, 3, 2	1, 5, 1	1, 4, 2	1, 4, 2	3, 2, 2	4, 2, 1
	Rainfall ...	2, 2, 3	3, 0, 4	0, 3, 4	2, 2, 3	2, 3, 2	2, 4, 1	3, 4, 0	1, 2, 4	1, 5, 1	1, 3, 3	0, 5, 0	2, 4, 1
	Sunshine ...	4, 3, 0	4, 3, 0	3, 4, 0	3, 3, 1	3, 3, 1	2, 4, 1	4, 2, 1	5, 2, 0	3, 3, 1	3, 3, 1	2, 4, 1	2, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(12518—19.) Wt. 153—442. 450. 7/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
a, Islands — *a* Lerwick	54	64	21st	50	20th	60·0	51·7	55·8	+ 3·0	3	1·02	26	+ 11										
p Deerness	160	66	21st	47	15th	61·3	50·1	55·3	—	1	0·08	2	- 15	Deerness	6·3	+ 2·1	36	*	*	*	*	*	*
a Stornoway	51	67	15th	46	20, 21	64·4	49·9	56·7	+ 2·2	3	0·59	15	- 6	Stornoway	8·5	+ 4·0	50	*	*	*	*	*	*
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	*	*	*	*	*	*	*	*	*
b, Mainland — *a* Wick	81	62	17, 20	46	15, 21	59·1	49·3	53·9	- 0·5	3	1·10	28	+ 11	Fort Augustus	5·6	+ 2·2	33	*	*	*	*	*	*
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	68	21st	44	20th	64·3	48·0	55·6	+ 1·0	4	1·70	43	+ 7										
p Fort Augustus	68	75	21st	43	21st	66·0	49·0	58·9	+ 0·4	4	0·83	21	+ 2										
p Fort William	171	73	21st	45	20, 21	68·1	49·9	58·4	+ 1·4	4	0·95	24	- 9										
1. SCOTLAND, E.																							
a Nairn	82	72	18, 21	44	21st	67·9	48·9	57·7	+ 1·3	4	0·83	21	+ 5	Nairn	7·3	—	43	*	*	*	*	*	*
p Gordon Castle	101	72	21st	46	21st	66·0	48·9	56·9	+ 0·5	5	1·45	37	+ 17	Gordon Castle	6·9	—	41	*	*	*	*	*	*
a Aberdeen	46	67	21st	46	18, 21	63·9	49·9	56·4	+ 0·1	5	3·19	81	+ 64	Aberdeen	6·7	+ 1·6	39	0	41	*	*	54·1	+1·3
a Balmoral	930	71	21st	37	20th	65·0	42·0	52·7	- 1·6	5	1·43	36	+ 18	Balmoral	*	*	*	0	34	*	*	*	*
p Crieff	432	74	21st	43	21st	68·9	47·6	57·5	- 0·3	2	0·53	13	- 7	Crathes	6·2	+ 1·3	37	0	33	58·2	+0·2	53·7	-0·5
a Dundee	244	74	21st	43	20, 21	67·7	47·7	57·0	—	2	0·90	23	+ 5	Dundee	8·9	—	53	0	36	57·7	*	*	*
a Leith	18	70	21st	51	21st	67·0	53·7	59·9	+ 1·6	3	0·76	19	+ 3	Leith	*	*	*	0	46	*	*	*	*
a Edinburgh	441	69	15, 21	49	21st	65·4	51·9	58·2	—	4	1·01	26	+ 10	Edinburgh	7·1	+ 1·8	43	0	42	*	*	*	*
a West Linton	769	73	21st	38	15th	65·0	47·3	55·5	+ 1·0	3	1·13	29	—	West Linton	6·2	—	38	0	32	*	*	*	*
p Marchmont	498	74	21st	48	15, 17, 21	67·1	50·4	58·2	+ 1·8	1	0·98	25	+ 5	Marchmont	7·1	+ 1·8	43	0	43	*	*	*	*
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	70	19, 21	41	21st	66·4	49·5	57·4	—	3	0·81	21	—	Ford (Argyll)	*	*	*	*	*	61·3	*	55·8	*
p Glasgow Observatory	180	72	21st	50	15, 20, 21	66·7	52·1	58·9	+ 1·2	5	0·87	22	+ 4	Glasgow	7·2	+ 2·7	43	0	38	*	*	*	*
p Rothesay	170	69	19, 21	50	20th	65·0	51·7	57·9	+ 0·6	5	1·47	37	+ 14	Rothesay	8·0	—	48	0	45	59·7	*	55·2	+0·2
a Kilmarnock	90	—	—	43	21st	—	50·9	—	—	4	0·84	21	+ 2	Kilmarnock	6·9	—	42	*	*	60·3	*	55·4	*
a Colmonell	170	72	21st	45	21st	66·9	51·4	58·6	+ 2·4	4	0·62	16	- 2	Colmonell	*	*	*	0	39	*	*	*	*
p Cally, Gatehouse	120	74	19th	—	—	68·1	—	—	—	2	1·23	31	+ 11	Dumfries	7·9	—	48	0	40	61·9	*	58·8	*
a Dumfries	160	72	21st	48	17th	66·9	51·6	58·7	+ 0·1	5	1·21	31	+ 13	Eskdalemuir	6·3	—	38	0	36	*	*	*	*
a Eskdalemuir	794	71	21st	40	20th	64·9	47·1	55·4	—	3	1·71	44	—										
b, I. OF MAN *p* Douglas	277	67	20th	50	21st	64·0	52·9	58·1	+ 0·9	2	1·35	34	+ 16	Douglas	8·6	+ 2·3	53	0	47	*	*	*	*
2. ENGLAND, N.E.																							
a Alnwick Castle	210	74	15th	49	20th	67·4	51·6	59·0	+ 1·5	3	0·11	28	+ 12										
a Tynemouth	71	71	15th	52	15, 17, 21	65·1	53·1	58·7	+ 1·2	3	0·20	5	- 9	Cockle Park	6·5	+ 1·2	39	0	44	60·4	+2·1	55·8	+0·9
p Durham	336	72	15th	45	21st	68·4	51·3	59·3	+ 1·0	2	0·17	4	- 12	Durham	7·2	+ 2·1	44	?	?	*	*	*	*
a North — *p* Rounton	249	74	17th	48	15th	70·6	51·3	60·3	+ 2·6	3	0·23	6	- 11	Rounton	*	*	*	0	43	61·2	*	*	*
a West Witton	605	75	21st	50	15th	70·0	52·7	60·8	—	4	0·72	18	—	West Witton	*	*	*	0	44	61·1	*	53·6	*
p Scarborough	100	71	15th	51	21st	67·1	53·6	59·9	+ 0·9	3	0·08	2	- 12	Scarborough†	5·8	+ 0·4	36	*	*	*	*	49·3	*
p York	56	75	20th	49	21st	72·0	54·0	62·4	+ 2·3	4	0·53	13	- 2	York	5·9	+ 0·6	36	*	*	60·8	+2·1	56·6	+1·2
b, South — *a* Spurn Head	26	73	15th	52	21st	67·4	56·0	61·3	+ 1·7	3	0·52	13	+ 3	Spurn Head	5·2	—	32	*	*	*	*	*	*
a Lincoln	58	—	—	47	21st	—	51·6	—	—	3	0·64	16	+ 3	Lincoln	*	*	*	*	*	63·9	+3·6	58·0	+2·3
a Fulbeck	180	77	15th	46	21st	74·0	51·3	61·9	+ 1·4	5	0·64	16	+ 2	Rauceby	7·6	+ 1·3	47	*	*	64·8	+0·8	58·4	+1·1
														Skegness	7·2	+ 0·7	45	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	74	15th	52	17, 21	69·1	54·3	61·2	+ 1·2	4	0·96	25	+ 9	Cromer	7·5	+ 1·0	47	*	*	*	*	*	*
p Little Massingham	280	76	15, 17	49	17, 21	71·7	53·7	62·1	+ 1·5	3	0·44	11	- 7	Lit. Massingham	7·6	+ 1·4	48	0	47	*	*	*	*
a Yarmouth	13	72	15th	53	17th	69·4	56·7	62·6	+ 2·1	4	0·71	18	+ 3	Yarmouth	8·1	—	51	0	52	64·6	+0·4	59·6	-0·7
a Norwich	93	73	17, 20	52	17, 20	71·0	55·1	62·5	+ 1·4	3	0·36	9	- 8	Norwich	7·5	—	47	0	45	64·7	*	*	*
a Geldeston	37	74	20th	50	20th	71·7	53·9	62·2	+ 1·5	3	0·34	9	- 6	Geldeston	8·3	+ 1·7	52	*	*	*	*	*	*
p Cambridge	41	74	19th	49	17th	72·1	54·1	62·5	+ 0·9	3	0·48	12	- 2	Cambridge	7·3	+ 0·9	46	0	42	64·9	+2·2	59·3	+0·6
a Clacton-on-Sea	54	74	19th	54	17, 20	69·7	57·0	62·9	+ 1·7	4	0·40	10	- 2	Clacton	7·5	+ 0·5	47	0	51	63·9	+3·2	59·7	+0·7
a Rothamsted	424	72	17, 19	51	16, 17	69·3	54·6	61·4	+ 0·9	5	0·53	13	- 2	Rothamsted	6·6	+ 0·1	42	0	44	62·1	*	*	*
p Tottenham	51	75	19th	55	17th	72·1	58·1	64·6	+ 2·6	3	0·60	15	—	Tottenham	6·1	—	38	0	52	*	*	60·3	+0·4
4. MIDLAND COUNTIES.																							
a North — *a* Harrogate	479	73	20, 21	47	21st	69·9	52·1	60·4	+ 2·1	3	0·54	14	0	Harrogate	7·5	+ 1·9	46	0	42	59·3	+2·6	56·5	+1·7
p Sheffield	429	72	20th	50	21st	69·6	54·3	61·4	—	3	0·77	20	—	Sheffield	6·9	+ 1·4	43	0	45	60·5	+1·9	54·5	+0·6
p Buxton	987	68	21st	46	21st	64·7	50·4	57·1	+ 0·2	4	1·54	39	+ 19	Buxton	5·4	—	34	0	42	61·7	+2·9	55·4	+2·2
b, East — *a* Bawtry	65	75	15th	46	21st	72·0	53·1	61·9	+ 1·5	3	0·49	12	0	Worksop	5·8	+ 0·8	36	0	38	61·3	*	56·8	*
a Nottingham	82	74	17, 20	48	17, 21	71·9	53·3	62·0	+ 1·3	3	0·75	19	+ 7	Nottingham	6·3	+ 0·9	39	0	41	63·1	+2·3	58·4	+1·7
p Birmingham, Edgbsn.	535	74	21st	52	16th	69·3	54·1	61·2	+ 0·8	5	1·27	32	+ 20	Birmingham	5·1	+ 0·5	32	0	42	57·6	+1·3	52·1	0·0
a Raunds	203	75	17, 19	48	17th	72·9	52·9	62·2	+ 0·7	5	0·67	17	+ 4	Raunds	*	*	*	0	37	62·6	*	56·1	*
p Oxford	208	73	19, 21	53	15, 16	70·6	54·7	62·1	+ 0·4	4	0·85	17	+ 5	Oxford	6·7	+ 0·6	42	0	46	*	*	*	*
c, West — *a* Cheadle (N. Staffs.)	646	75	21st	48	17th	69·4	51·9	60·0	+ 1·3	3	1·13	29	+ 14	Cheadle	*	*	*	0	42	*	*	*	*
p Shrewsbury	191	76	21st	47	15th	70·9	52·4	61·0	+ 0·6	4	1·14	29	+ 19	Shrewsbury	*	*	*	0	37	*	*	*	*
a Hereford§	291	75	21st	46	17th	71·0	51·4	60·5	- 0·2	3	0·84	21	+ 10	Malverns§	6·0	—	38	0	40	63·7	*	59·7	*
a Clifton	229	75	21st	55	16, 17	71·0	56·6	63·3	+ 0·7	4	1·22	31	+ 14	Clifton	7·8	—	49	0	52	*	*	*	*
5. ENGLAND, S.E.																							
a Marlborough	424	74	21st	50	16th	68·4	53·7	60·5	+ 1·2	5	1·50	38	+ 23	Worthing	8·3	+ 1·0	53	0	47	65·4	+1·5	59·7	+0·4
p Salisbury (Wilton)	180	78	21st	50	20th	70·9	52·9	61·3	- 0·2	4	0·79	20	+ 5	Marlborough	5·5	- 0·4	35	0	44	62·9	*	57·1	*
a Wisley, Surrey	150	75	17, 20	52	20th	71·3	55·4	62·8	+ 1·4	4	0·89	23	+ 11	Salisbury	*	*	*	0	50	66·3	*	*	*
a Tunbridge Wells	354	73	19, 20	51	17th	70·0	55·0	62·0	+ 0·8	5	0·47	12	- 2	Wisley	6·9	+ 0·4	43	0	44	63·9	+1·5	58·3	-0·4
a Margate	53	74	17, 19	53	17th	71·0	57·9	64·0	+ 1·9	4	0·22	6	- 6	Tunbridge Wells	7·5	+ 0·8	47	0	42	64·0	+0·7	59·6	*
														Margate	7·7	+ 1·4	48	0	50	66·7	+5·1	62·8	+4·9
a Dungeness	21	68	17th	51	17th	64·9	56·7	60·5	- 0·6	2	0·51	13	+ 2	Dover	9·7	—	61	0	49	*	*	*	*
p St. Leonards	178	69	20, 21	53	17th	66·6	56·6	61·3	0·0	2	0·55	14	0	St. Leonards	7·4	—	47	0	49	65·7	*	60·3	*
p Southampton	64	77	21st	54	17, 20	70·7	56·3	63·0	+ 0·1	3	0·61	15	+ 1	Southampton	6·8	0·0	43	0	45	*	*	*	*
a Ventnor	59	75	21st	55	17th	67·7	57·6	62·3	+ 0·4	2	0·40	10	- 2	Ventnor	7·3	+ 0·2	46	*	*	*	*	*	*
LONDON. *p* Richmond (Kew Obs.)	18	75	17, 20	52	17th	72·1	56·8	63·9	+ 1·5	5	0·70	18	+ 5	Richmond	6·9	+ 0·6	43	0	40	64·2	+2·2	58·1	+0·9
a Westminster	27	75	19, 20, 21	53	17th	72·4	57·2	64·3	+ 1·3	4	0·67	17	+ 3	Westminster	7·0	+ 1·3	44	0	48	*	*	*	*
ag Greenwich	155	79	20th	51	17th	74·4	56·1	64·6	+ 1·5	5	0·92	23	+ 10	Greenwich	6·9	- 0·7	43	0	41	*	*	*	*
a Hampstead	450	72	19, 20	52	16, 17	69·4	54·4	61·4	—	5	0·86	22	—	Hampstead	5·9	—	37	0	42	*	*	*	*
ag Camden Square	110	79	21st	53	17th	76·3	56·7	65·8	+ 2·0	4	0·84	21	+ 6	Camden Square	6·0	+ 0·5	38	0	52	*	*	*	*
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	69	21st	49	15th	65·3	52·0	58·2	+ 0·3	4	1·02	26	+ 7	Aspatria	7·4	+ 1·9	45	0	45	60·1	*	55·3	*
p Newton Rigg	559	73	21st	45	15th	68·3	49·7	58·4	+ 0·5	4	0·56	14	- 2	Newton Rigg	8·9	+ 2·5	49	0	38	60·3	+0·5	54·9	-0·1
p Stonyhurst	377	71	21st	50	15, 21	68·3	53·3	60·3	+ 1·8	3	1·44	37	+ 15	Stonyhurst	7·9	+ 2·6	48	0	43	*	*	*	*
p Blackpool	66	69	18th	51	21st	67·1	55·4	60·8	+ 1·6	3	0·42	11	- 5	Blackpool	9·4	+ 3·1	58	0	41	61·6	*	55·8	*
a Southport	37	70	18th	50	15, 21	67·4	54·6	60·6	+ 1·3	3	0·54	14	- 2	Southport	9·6	+ 3·4	59	0	42	65·8	+2·1	61·1	+0·9
														Hoylake	7·3	+ 1·4	45	*	*	*	*	*	*
a Liverpool (Bidston)	188	70	18th	53	15th	67·6	55·1	60·9	+ 1·0	4	0·55	14	0	Liverpool	7·4	—	46	0	43	*	*	*	*
a Hawarden Bridge	22	71	18, 21	53	21st	69·3	54·9	61·6	+ 1·1	4	0·47	12	- 1	Manchester (City)	5·7	+ 1·3	45	0	46	63·6	+3·5	60·3	+3·3
p Manchester (Whit. Pk.)	125	76	21st	50	20, 21	70·4	52·7	60·9	+ 0·4	4	1·65	42	+ 24	Whitworth Park	6·7	+ 2·0	42	*	*	*	*	*	*
b, NORTH WALES.																							
p Llandudno	71	71	18th	51	15, 21	66·9	51·1	60·1	0·0	3	0·41	11	- 2	Llandudno	7·5	+ 1·5	47	*	*	*	*	*	*
a Holyhead	15	68	19th	54	16, 17, 21	65·4	54·7	59·7	+ 1·1	3	0·83	21	+ 7	Holyhead	8·6	—	53	0	46	*	*	*	*
p Bettws-y-Coed	148	72	19, 21	51	16, 21	69·3	54·1	61·2	+ 2·7	4	1·14	29	—	Bettws-y-Coed	6·4	—	40	*	*	58·1	0·0	55·0	-1·0
p Aberdovey	22	69	21st	55	15th	65·1	57·4	61·0	—	3	1·31	33	—	Aberdovey	5·8	+ 0·1	36	*	*	*	*	*	*

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	br.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	67	21st	53	15th	64·9	56·1	60·2	—	2	0·70	18	—	Aberystwyth ..	6·1	+ 0·5	38	•	•	•	•	•	•
a Rhayader	757	70	21st	45	17th	65·1	52·0	58·1	—	4	1·06	27	—	Rhayader ..	4·7	—	29	0	39	•	•	•	•
a St. Ann's Head ..	149	65	21st	55	15, 18	62·9	56·1	59·3	+ 0·6	3	0·95	24	+ 9	St. Ann's Head	7·5	+ 1·1	47	•	•	•	•	•	•
p Cardiff	202	72	21st	53	21st	68·6	55·3	61·5	+ 1·1	3	1·03	26	+ 6	Cardiff	8·2	—	52	0	43	63·9	+3·5	58·2	+0·1
b, ENGLAND, S.W.																							
a Bath	66	75	21st	52	16, 17, 21	70·4	54·6	62·0	+ 0·8	4	1·33	34	+ 19	Bath	•	•	•	•	•	64·6	+1·1	60·4	+0·4
a Shaftesbury	722	74	21st	50	15, 16, 20	67·1	52·3	59·2	- 0·8	3	0·82	21	+ 5	Shaftesbury ..	•	•	•	•	•	62·2	•	57·8	•
a Arlington	613	70	21st	51	15th	66·0	54·0	59·6	+ 0·9	2	1·21	31	+ 6										
a Newquay	190	66	15, 21	52	15th	64·9	54·3	59·2	- 1·0	3	0·55	14	0	Newquay ..	5·3	- 1·1	34	•	•	63·4	•	57·9	•
a Cullompton	202	77	21st	47	15th	71·6	52·6	61·4	+ 0·7	5	0·65	17	+ 1	Cullompton ..	5·2	- 0·6	33	0	40	63·6	•	•	•
a Portland Bill	19	66	21st	55	16th	62·4	56·4	59·2	- 1·2	2	0·28	7	- 4	Weymouth ..	7·1	—	45	•	•	•	•	•	•
p Plymouth	116	72	21st	52	17th	67·6	56·7	61·8	+ 0·7	4	0·82	21	+ 4	Plymouth ..	5·0	- 1·5	32	0	47	64·9	- 0·2	59·6	•
a Falmouth	167	71	21st	51	17th	67·7	55·6	61·2	+ 0·7	3	0·74	19	+ 2	Falmouth ..	5·1	- 1·8	32	0	42	64·6	•	61·0	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	65	15, 21	52	21st	62·6	54·0	58·0	+ 1·5	3	0·51	13	- 5	Malin Head ..	7·7	—	46	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	65	21st	53	15th	62·3	54·6	58·2	+ 0·6	4	1·00	25	+ 5	Markree Castle	4·2	+ 0·1	26	0	42	60·7	•	55·3	•
{ *p* Markree Castle ..	122	73	21st	45	17th	65·6	49·7	57·1	+ 0·1	5	1·55	39	+ 17										
b, East .. { *p* Armagh	196	73	19th	49	16, 20, 21	67·6	51·0	58·7	+ 0·9	5	1·15	29	+ 11	Armagh	4·9	+ 0·5	30	0	43	58·9	- 2·6	55·2	- 1·8
{ *a* Donaghadee	101	67	15th	49	20th	63·0	51·3	56·7	- 0·6	6	0·77	20	+ 2										
10. IRELAND, S.																							
p Dublin, City	47	71	18, 19	54	17th	68·3	56·1	61·8	+ 1·4	5	0·74	19	+ 6	Dublin City ..	•	•	•	0	50	•	•	•	•
a Birr Castle	175	75	21st	49	17th	68·0	52·3	59·6	+ 0·8	5	0·67	17	+ 2	Trinity Coll. ..	•	•	•	0	47	62·5	+1·5	57·6	+0·3
a Kilkenny	212	74	21st	46	17th	68·9	51·4	59·5	+ 0·2	5	0·59	15	0	Phœnix Park ..	6·2	+ 1·0	39	0	39	•	•	•	•
a Waterford	20	72	21st	48	17th	69·0	53·6	60·8	+ 0·8	3	0·89	23	+ 7	Birr Castle ..	3·4	- 1·0	21	0	39	•	•	•	•
a Seskin, Carrick-on-Suir	541	71	21st	50	17th	66·4	52·3	58·9	—	5	0·80	20	—	Seskin	4·6	—	29	0	41	•	•	•	•
a Cahir	199	77	20th	47	16, 21	70·0	51·0	59·8	+ 0·5	3	1·72	44	—										
a Foynes	50	71	21st	50	18, 21	66·7	52·9	59·3	+ 0·1	4	0·73	19	+ 3										
a Cahirciveen (Val. Obs.)	30	70	21st	50	21st	64·9	55·1	59·7	+ 0·6	5	1·06	27	+ 7	Cahirciveen ..	5·5	+ 0·7	34	0	47	•	•	•	•
a Killarney	174	77	21st	49	17th	68·8	54·5	61·2	+ 1·8	7	0·78	20	+ 3	Ballinacurra ..	5·0	- 0·3	31	•	•	•	•	•	•
a Roche's Point	32	67	15, 20	49	17th	65·3	54·9	59·7	+ 0·4	7	1·25	32	+ 17										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	68	21st	55	15, 16, 17	65·6	56·7	60·8	+ 0·2	4	1·15	29	+ 16	Scilly	6·3	- 0·3	40	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	72	18th	57	15th	68·3	58·6	63·1	+ 0·8	3	0·55	14	+ 2	St. Heliers ..	6·3	- 1·2	40	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	70	21st	56	21st	67·9	57·7	62·4	+ 0·5	3	0·24	6	- 7	Guernsey† ..	6·8	- 0·9	44	0	50	64·2	+0·9	60·6	+0·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

[Week ending at midnight (24h.) on Saturday, July 21st, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
0. SCOTLAND, N.															
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	65	91	12	0	W. by S. 9	16 15	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	3	71	80	14	— 6	19 7	14	19 9 5
Aberdeen	153	105	52	—	—	—	—	29	67	54	18	NW. 8	19 17	14	17 13 45
Edinburgh	485	39	31	—	—	—	—	33	93	42	0	SW. by W. 7	16 1	12	18 21 45
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	—	—	48	71	49	0	SW. 9	16 12	14	16 12 45
Paisley	188	81	52	—	—	—	—	8	111	49	0	E. by N. 7	18 15	14	18 19 35
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	14	91	63	0	NNW. 9	19 14	16	19 10 30
South Shields	72	61	12	—	—	—	—	13	79	76	0	NNW. 10	19 11	16	19 10 35
Spurn Head	66	40	‡	—	—	19	2	34	69	49	14	— 11	19 7	17	15 14 20
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	36	125	7	0	W. by S. 10	19 9	—	— — —
Gorleston	52	42	‡‡	—	—	—	—	52	98	14	0	— 10	18 17	16	19 4 15
Shoeburyness	103	90	‡‡	—	—	18	5	76	75	12	0	SW. by W. 12	18 17	18	15 11 45
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	36	92	40	0	SW. 9	18 16	16	18 17 0
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	15, 18, 19	24	62	45	27	10	— 13	18 19	19	18 18 55
Warlingham	642	33	‡‡	—	—	No record.		—	—	—	—	— 13	— —	—	— — —
Brighton	281	53	6	—	—	18, 19	5	54	82	27	0	— 12	19 7	18	19 6 50
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	33	92	43	0	S.W. by S. 9	18 17	16	18 17 0
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	4	99	65	0	W. by S. 7	19 11	13	18 14 55
Fleetwood (Cup Anr.) ..	109	44	—	—	—	18, 19	15	56	88	[illegible]	[illegible]	NNW. 15	19 4	—	— — —
Southport	80	62	48	—	—	18, 19	2[illegible]	74	73	11	0	W. 18	19 3	23	19 2 55
Holyhead	60	40	‡	—	—	18, 19	21	68	69	10	0	SSW. 14	18 15	21	18 14 25
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	18	2	15, 18	22	41	51	52	0	SW. 19	18 11	25	18 11 10
Plymouth	185	88	2	—	—	18	8	28	80	53	0	— 13	18 12	18	18 12 25
Lyme Regis	556	61	‡‡	—	—	18	2	11	27	128	0	— 11	18 13	16	18 12 45
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	18, 19	16	49	88	15	0	W. 13	18 21	—	— — —
Quilty	100	40	‡‡‡‡	—	—	18	4	66	82	16	0	— 14	18 15	19	18 14 50
Cahirciveen (Val. Obs.)	98	41	‡‡‡‡	—	—	18	4	44	100	20	0	WSW. 13	18 11	21	18 10 35
Weaver Pt.	160	30	‡‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	—	—	12	47	77	32	W. 7	15 12	10	18 5 20

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday. * Above tops of trees.

21 70 64. 11.0.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-NINTH WEEK of 1917—July 15th to July 21st, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	75	43	90·6	82·8	86·4	+ 0·6	99	+ 8	0	0	4	− 1	1·03	26	+ 3	6·8	+2·8	40	1011
Eastern.																			
1. SCOTLAND, EAST ...	74	37	92·1	82·2	86·8	+ 0·1	104	0	0	0	4	0	1·29	33	+ 15	7·2	+2·2	43	1011
2. ENGLAND, N.E.	77	45	93·6	84·6	88·8	+ 0·9	129	+ 12	0	0	4	+ 1	0·46	11	− 4	6·7	+1·1	41	1013
3. ENGLAND, EAST ...	76	49	94·5	85·9	89·9	+ 0·8	143	+ 11	0	0	4	+ 1	0·54	14	− 1	7·4	+0·9	46	1015
4. MIDLAND COUNTIES ...	76	46	94·6	84·8	89·4	+ 0·7	137	+ 10	0	0	4	+ 1	0·87	22	+ 10	6·6	+1·0	41	1014
5. ENGLAND, S.E.	78	50	93·8	86·3	89·8	+ 0·4	141	+ 4	0	0	3	0	0·66	17	+ 4	7·5	+0·7	47	1016
Western.																			
6. SCOTLAND, WEST ...	74	41	92·1	83·8	87·7	+ 0·6	115	+ 6	0	0	4	0	1·05	27	+ 7	7·9	+2·4	48	1012
7. ENGLAND, N.W.	76	45	92·9	85·0	88·7	+ 0·7	127	+ 8	0	0	4	0	0·86	22	+ 5	7·5	+1·9	46	1013
8. ENGLAND, S.W.	77	45	92·4	85·6	88·7	+ 0·1	128	+ 1	0	0	3	− 1	0·89	23	+ 5	5·6	−0·5	35	1016
9. IRELAND, NORTH ...	75	45	91·3	84·2	87·5	+ 0·4	113	+ 5	0	0	4	− 1	0·94	24	+ 4	4·6	+0·2	28	1012
10. IRELAND, SOUTH ...	77	46	92·9	84·9	88·7	+ 0·5	127	+ 5	0	0	5	+ 1	0·94	24	+ 8	5·0	+0·1	31	1014
11. ENGLISH CHANNEL ...	72	55	92·6	87·3	89·7	+ 0·4	141	+ 5	0	0	3	− 1	0·65	16	+ 3	6·5	−0·8	41	1018

THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, June 3rd to July 21st, 1917.

0. SCOTLAND, NORTH ...	81	33	89·3	81·5	85·0	+ 0·1	570	+ 1	0	− 1	24	− 4	4·51	113	− 10	6·3	+1·6	36	1016
Eastern.																			
1. SCOTLAND, EAST ...	79	29	90·6	80·7	85·3	− 0·5	600	− 41	3	+3	15	−10	3·55	90	− 11	7·3	+1·6	42	1017
2. ENGLAND, N.E.	87	35	92·0	82·6	87·0	+ 0·2	747	+ 25	0	0	16	− 5	1·79	45	− 43	7·2	+1·1	43	1018
3. ENGLAND, EAST ...	93	40	93·8	84·3	88·7	+ 0·9	899	+ 83	0	0	19	− 2	3·42	88	+ 2	7·9	+1·1	48	1017
4. MIDLAND COUNTIES ...	89	36	93·8	82·9	87·9	+ 0·3	829	+ 34	0	0	17	− 4	3·22	82	− 6	7·0	+0·9	43	1017
5. ENGLAND, S.E.	90	36	93·7	84·5	88·8	+ 0·6	903	+ 56	0	0	17	− 3	4·66	118	+ 38	7·7	+0·5	48	1018
Western.																			
6. SCOTLAND, WEST ...	80	32	91·2	81·9	86·3	− 0·1	679	− 15	0	0	18	− 8	3·72	95	− 32	7·6	+1·5	45	1017
7. ENGLAND, N.W.	82	36	92·1	83·1	87·3	+ 0·2	768	+ 18	0	0	15	− 8	3·04	78	− 26	8·2	+1·9	49	1017
8. ENGLAND, S.W.	86	35	92·0	83·8	87·6	+ 0·1	797	+ 8	0	0	21	− 2	4·53	117	+ 13	7·3	+0·6	45	1018
9. IRELAND, NORTH ...	75	32	90·3	82·5	86·2	− 0·2	671	− 19	0	0	26	− 3	3·89	98	− 18	5·4	+1·2	38	1016
10. IRELAND, SOUTH ...	77	40	91·5	83·5	87·3	0·0	767	− 4	0	0	26	+ 1	3·44	86	− 24	5·9	+0·2	36	1017
11. ENGLISH CHANNEL ...	88	48	92·3	85·6	88·7	+ 0·6	895	+ 49	0	0	19	− 3	3·22	82	+ 3	7·9	0·0	50	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 29 Weeks, December 31st, 1916, to July 21st, 1917.

0. SCOTLAND, NORTH ...	81	10	82·3	76·3	79·2	− 0·6	905	−106	684	+145	123	− 9	18·69	474	−179	3·7	+0·1	28	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	82·7	75·2	78·8	− 1·2	975	−180	884	+267	95	−18	13·22	338	− 56	4·2	0·0	32	1015
2. ENGLAND, N.E.	87	5	83·5	76·4	79·8	− 1·0	1234	− 61	781	+309	96	− 5	10·93	279	− 31	4·2	−0·3	33	1016
3. ENGLAND, EAST ...	93	5	84·4	76·9	80·5	− 0·8	1491	− 23	786	+292	93	− 6	11·27	289	− 13	4·6	−0·2	36	1015
4. MIDLAND COUNTIES ...	89	4	84·6	76·3	80·2	− 1·0	1451	− 66	831	+309	87	−11	12·80	327	− 9	4·0	−0·3	31	1016
5. ENGLAND, S.E.	90	4	84·7	77·4	80·9	− 1·0	1534	− 81	693	+314	83	−13	13·54	345	+ 16	4·8	−0·1	37	1016
Western.																			
6. SCOTLAND, WEST ...	80	11	83·5	76·6	79·9	− 1·0	1153	−131	663	+247	97	−23	16·45	419	−165	4·2	−0·1	33	1016
7. ENGLAND, N.W.	82	5	83·8	76·9	80·2	− 1·1	1303	− 72	703	+321	88	−18	14·01	358	− 65	4·6	+0·2	35	1016
8. ENGLAND, S.W.	86	4	84·2	77·4	80·7	− 1·2	1405	−132	619	+318	92	−14	16·05	408	− 60	5·0	+0·2	39	1016
9. IRELAND, NORTH ...	75	7	83·6	77·2	80·3	− 1·0	1197	−146	536	+196	114	−17	16·03	409	− 72	3·8	−0·2	30	1015
10. IRELAND, SOUTH ...	77	9	84·7	77·8	81·2	− 0·9	1467	−116	501	+241	109	− 6	15·52	395	−111	4·2	−0·2	32	1016
11. ENGLISH CHANNEL ...	83	22	84·9	79·4	82·0	− 1·1	1608	−161	347	+242	95	−16	14·22	361	− 23	5·5	−0·1	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : July 26th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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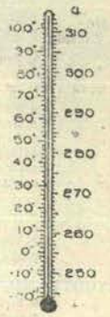
FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 30.

THE THIRTIETH WEEK OF 1917.
SUNDAY, JULY 22ND TO SATURDAY, JULY 28TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]



At the commencement of the week an anticyclone was centred over England and the north of France. This drifted away over the Continent, and at the close of the week the British Isles lay between an anticyclonic ridge extending from the Azores to Germany and a large area of low pressure in the far north, so that gentle breezes from south-west were general. Temperature was above the normal over the whole Kingdom, by 3 a. or more inland but by little more than 1 a. near the south and west coasts. Some observers noted that the days were often sultry and felt warmer than the temperature would have led them to expect. The highest readings, recorded in the north and east on the 22nd, were 300 a. or 301 a. Sea temperatures were below the normal in the east and south and above it in the west and north. Thunderstorms were not uncommon; a good many places reported thunder with little or no rain. The most notable falls of rain were 18 mm. in 40 minutes at Newton Rigg near Penrith on the 25th, and 54 mm. at Glasgow Observatory on the 27th. Rainfall was somewhat deficient generally, and in East Anglia and the Channel Islands the weeks total did not exceed 2 mm. Bright Sunshine was in excess of the normal at most places except in Ireland, where it was about 2 hours in defect. There was a sun pillar at Oxford on the 27th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	2·3	17	2·6	17	2·2	18	1·9	28	4·6	17	2·3	20	3·5	19	4·1
North	1	0·6	2	1·0	6	1·9	0	—	4	0·6	9	1·5	2	1·8	2	1·0
West	8	3·5	20	2·7	16	2·1	19	1·7	26	2·3	19	2·3	10	4·9	12	1·4
East	15	2·5	0	—	7	2·0	0	—	0	—	5	2·2	8	1·8	9	1·2
Calm	4	—	6	—	3	—	9	—	0	—	1	—	5	—	7	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Very unusual	Very unusual
Rainfall ...	Moderate	Moderate	Moderate	Very light	Light	Very light	Heavy	Moderate	Moderate	Moderate	Moderate	Light
Sunshine ...	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Scanty	Moderate	Scanty	Very scanty	Very scanty	Moderate

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 8 weeks from June 3rd, 1917.	Warmth ...	4, 3, 1	2, 4, 2	5, 1, 2	5, 1, 2	5, 1, 2	4, 1, 3	3, 3, 2	2, 5, 1	2, 4, 2	2, 4, 2	4, 2, 2	5, 2, 1
	Rainfall ...	2, 3, 3	3, 1, 4	0, 4, 4	2, 2, 4	2, 3, 3	2, 4, 2	4, 4, 0	1, 3, 4	1, 6, 1	1, 4, 3	0, 8, 0	2, 4, 2
	Sunshine ...	5, 3, 0	5, 3, 0	3, 5, 0	4, 3, 1	3, 4, 1	2, 5, 1	4, 2, 2	5, 3, 0	3, 3, 2	3, 3, 2	2, 4, 2	2, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(12647—19.) Wt. 153—442. 450. 8/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands ..	*a* Lerwick	54	63	28th	49	23rd	61·1	52·0	56·2	+ 3·7	4	0·59	15	+ 3									
	p Deerness	160	67	26th	50	22, 23	62·9	52·1	57·1	—	2	0·39	10	- 3	Deerness ..	6·0	+ 1·7	35	•	•	•	•	•	•
	a Stornoway	31	67	23, 24, 25	47	22nd	66·1	54·9	60·1	+ 5·7	5	0·76	19	+ 3	Stornoway ..	5·4	+ 0·8	32	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	•	•	•	•	•	•	•	•	•
b, Mainland.	*a* Wick	81	69	26, 27	43	22nd	61·1	50·6	55·5	+ 1·3	5	0·17	4	- 9	Fort Augustus..	5·1	+ 1·6	31	•	•	•	•	•	•
	p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
	p Glencarron	500	71	22nd	47	22nd	63·1	51·9	58·5	+ 4·1	5	0·82	21	- 7										
	p Fort Augustus.. ..	68	77	22nd	45	22nd	70·6	55·0	62·3	+ 6·1	2	0·60	15	- 0										
	p Fort William	171	78	22nd	44	22nd	70·6	54·6	62·0	+ 5·3	7	0·86	22	- 3										
1. SCOTLAND, E.																							
	a Nairn	82	73	26th	46	22nd	68·3	53·1	60·2	+ 4·4	4	0·15	4	- 10	Nairn	6·8	—	41	•	•	•	•	•	•
	p Gordon Castle ..	101	76	23, 26	47	22, 28	72·4	53·4	62·2	+ 6·3	5	0·53	14	- 4	Gordon Castle..	7·0	—	42	•	•	•	•	•	•
	a Aberdeen	46	74	27th	47	22nd	69·0	55·3	61·7	+ 5·9	3	0·25	6	- 9	Aberdeen ..	5·4	+ 0·8	33	0	42	•	•	54·8	+1·6
	a Balmoral	930	74	23, 25, 26	40	22nd	71·9	50·0	60·2	+ 6·6	1	0·22	6	- 10	Balmoral ..	•	•	•	0	39	•	•	•	•
	p Crieff	432	78	22nd	46	22nd	72·9	52·7	62·1	+ 5·0	5	0·26	7	- 12	Crathes	6·3	+ 1·9	38	0	36	60·5	+2·2	54·5	-0·2
	a Dundee	244	77	22nd	46	22nd	72·9	53·3	62·4	—	4	1·03	26	+ 9	Dundee	7·7	—	47	0	41	59·7	•	•	•
	a Leith	18	76	22nd	52	22nd	72·7	57·4	64·5	+ 6·7	1	0·56	14	- 1	Leith	•	•	•	0	45	•	•	•	•
	a Edinburgh	441	75	22, 24	55	22nd	72·3	57·9	64·6	—	3	0·40	10	- 5	Edinburgh ..	7·3	+ 2·6	45	0	50	•	•	•	•
	a West Linton	769	74	22nd	40	22nd	68·9	52·1	59·9	+ 6·1	3	0·55	14	—	West Linton ..	5·3	—	33	0	36	•	•	•	•
	p Marchmont	498	76	22, 24	49	22nd	72·1	51·6	62·7	+ 6·9	3	0·83	21	+ 4	Marchmont ..	6·3	+ 1·6	39	0	43	•	•	•	•
6. a, SCOTLAND, W.																							
	a Ford (Argyll)	149	72	22nd	48	22nd	66·9	54·9	60·5	—	5	1·57	40	—	Ford (Argyll) ..	•	•	•	•	•	62·8	•	56·7	•
	p Glasgow Observatory	180	74	22nd	54	22, 28	69·0	57·3	62·7	+ 5·3	6	2·36	60	+ 42	Glasgow.. ..	4·2	0·0	26	0	42	•	•	•	•
	p Rothesay	170	68	22nd	52	22nd	65·9	55·0	60·1	+ 2·9	6	0·80	20	- 3	Rothesay ..	3·7	—	23	0	49	62·4	•	56·5	+1·5
	a Kilmarnock	90	—	—	52	22nd	—	56·7	—	—	6	1·05	27	+ 8	Kilmarnock ..	4·4	—	27	•	•	62·2	•	56·2	•
	a Colmonell	170	73	22nd	48	22nd	69·3	56·4	62·4	+ 6·3	5	1·35	34	+ 16	Colmonell ..	•	•	•	0	43	•	•	•	•
	p Cally, Gatehouse ..	120	72	25th	47	22nd	69·4	52·4	60·3	+ 3·9	3	0·30	8	- 13	Dumfries ..	4·2	—	26	0	46	64·0	•	59·5	•
	a Dumfries	160	74	22nd	53	22nd	69·9	56·3	62·6	+ 4·3	4	0·30	8	- 10	Eskdalemuir ..	3·0	—	18	0	37	•	•	•	•
	a Eskdalemuir	794	73	22nd	44	22nd	67·3	52·1	[59·2	—	5	0·71	18	—										
b, I. OF MAN	*p* Douglas	277	72	25th	51	22nd	65·9	55·0	60·1	+ 3·0	3	0·30	8	- 10	Douglas	4·2	- 1·6	26	0	48	•	•	•	•
2. ENGLAND, N.E.																							
a North ..	*a* Alnwick Castle ..	210	77	23, 24	47	22nd	73·6	55·9	64·1	+ 7·0	1	0·26	7	- 13										
	a Tynemouth	71	74	23rd	52	22nd	69·7	57·1	63·0	+ 5·8	3	0·75	19	+ 1	Cockle Park ..	6·7	+ 1·8	42	0	43	63·4	+5·0	56·5	+1·3
	p Durham	336	80	22nd	45	22nd	75·0	51·3	63·9	+ 6·0	4	0·75	19	0	Durham ..	6·4	+ 1·7	40	•	•	•	•	•	•
	p Rounton	249	80	22nd	47	22nd	77·1	54·9	65·2	+ 7·9	4	0·47	12	- 9	Rounton ..	•	•	•	0	41	62·9	•	•	•
	a West Witton	605	79	22nd	47	22nd	74·6	55·7	64·5	—	4	0·70	18	—	West Witton ..	•	•	•	0	43	63·2	•	54·6	•
	p Scarborough	100	73	27th	52	25th	69·9	55·7	62·3	+ 3·6	4	0·59	15	- 3	Scarborough† ..	5·6	+ 0·5	35	•	•	•	•	49·5	•
	p York	56	80	22nd	50	22nd	76·9	57·3	66·4	+ 6·7	4	0·44	11	- 7	York	5·7	+ 0·9	36	•	•	62·2	+3·2	57·2	+1·1
b, South ..	*a* Spurn Head	26	80	24th	55	22, 24	72·6	57·9	64·7	+ 5·4	1	0·08	2	- 12	Spurn Head ..	5·0	—	31	•	•	•	•	•	•
	a Lincoln	58	80	22–25	50	22nd	79·6	57·1	67·9	+ 7·3	2	0·20	5	- 12	Lincoln	•	•	•	•	•	65·9	+4·9	58·6	+2·2
	a Fulbeck	180	80	22, 25	50	22nd	78·4	53·4	66·6	+ 6·5	4	0·15	4	- 14	Rauceby ..	7·5	+ 1·8	47	•	•	66·8	+2·8	59·0	+1·1
															Skegness ..	7·3	+ 1·2	46	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	80	21th	50	22nd	75·7	57·7	66·1	+ 6·3	2	0·06	2	- 14	Cromer	9·8	+ 3·9	62	•	•	•	•	•	•
	p Little Massingham ..	280	84	24, 27	49	22nd	80·3	55·6	67·1	+ 7·0	2	0·04	1	- 18	Lit. Massingham	7·5	+ 1·9	48	0	47	•	•	•	•
	a Yarmouth	13	79	27th	49	22nd	75·4	58·1	66·2	+ 6·0	1	0·04	1	- 15	Yarmouth ..	9·6	—	61	0	48	67·6	+2·5	60·4	-0·5
	a Norwich	93	82	27th	44	22nd	78·7	56·7	66·9	+ 6·2	2	0·03	1	- 16	Norwich ..	8·9	—	57	0	40	66·5	•	•	•
	a Geldeston	37	83	27th	42	22nd	78·0	54·3	65·3	+ 5·0	1	0·06	2	- 13	Geldeston ..	9·1	+ 3·2	58	•	•	•	•	•	•
	p Cambridge	41	81	27th	46	22nd	78·7	54·9	66·0	+ 4·9	0	0·00	0	- 15	Cambridge ..	8·0	+ 2·2	51	0	44	65·8	+2·6	60·4	+1·1
	a Clacton-on-Sea ..	54	82	23rd	50	22nd	73·9	58·3	65·6	+ 4·7	2	0·05	1	- 12	Clacton	8·7	+ 2·3	56	0	45	65·1	+4·2	60·5	+0·9
	a Rothamsted	424	76	23, 27	50	22nd	74·6	54·7	64·0	+ 4·0	0	0·00	0	- 16	Rothamsted ..	6·4	+ 0·5	41	0	44	63·8	•	•	•
	p Tottenham	51	79	23, 27	52	22nd	77·1	58·7	67·3	+ 4·0	0	0·00	0	—	Tottenham ..	6·7	—	43	0	50	•	•	61·0	+0·6
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	78	22nd	46	22nd	74·6	55·1	64·2	+ 6·2	4	0·43	11	- 10	Harrogate ..	7·1	+ 2·0	44	0	41	61·0	+3·8	57·4	+2·1
	a Sheffield	429	79	22nd	54	22nd	75·4	58·5	66·4	—	2	0·18	5	—	Sheffield	5·5	+ 0·4	35	0	46	62·3	+3·0	55·4	+0·9
	p Buxton	987	76	22nd	46	22nd	71·9	54·1	62·4	+ 5·5	2	0·31	8	- 24	Buxton	5·7	—	36	0	42	63·0	+3·9	56·2	+2·4
b, East ..	*a* Bawtry	65	81	22nd	46	22nd	77·4	56·1	66·0	+ 6·0	2	0·23	6	- 12	Worksop ..	5·6	+ 1·0	35	0	40	63·4	•	57·5	•
	a Nottingham	82	79	22, 24	48	22nd	77·1	56·8	66·1	+ 5·9	2	0·21	5	- 14	Nottingham ..	4·4	- 0·7	28	0	43	65·2	+3·6	59·3	+1·7
	p Birmingham, Edgbsn.	535	78	22, 25	54	22nd	74·6	57·0	65·2	+ 5·2	3	0·55	14	- 5	Birmingham ..	6·7	+ 2·3	43	0	43	59·6	+2·8	53·0	+0·3
	a Raunds	203	82	23, 27	47	22nd	79·4	55·1	66·4	+ 5·3	0	0·00	0	- 23	Raunds	•	•	•	0	38	64·3	•	56·9	•
	p Oxford	208	76	22, 27	54	23rd	74·1	58·0	65·5	+ 4·2	0	0·00	0	- 18	Oxford	6·1	+ 0·4	39	0	45	•	•	•	•
c, West ..	*a* Cheadle (N. Staffs.) ..	646	80	22, 25	52	22, 28	75·7	55·9	65·1	+ 6·8	2	0·38	9	- 15	Cheadle	•	•	•	0	50	•	•	•	•
	p Shrewsbury	191	81	22, 25	49	22nd	76·0	55·3	64·9	+ 5·0	1	0·21	5	- 13	Shrewsbury ..	•	•	•	0	42	•	•	•	•
	a Hereford§	291	77	22nd	50	22nd	75·0	54·0	63·8	+ 3·5	2	0·48	12	- 6	Malvern§ ..	7·2	—	46	0	44	65·8	•	60·8	•
	a Clifton	229	—	—	—	—	—	—	—	—	—	—	—	—	Clifton	•	•	•	•	•	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	74	22, 25, 28	45	23rd	72·9	53·4	62·5	+ 3·5	1	0·11	3	- 14	Worthing ..	8·1	+ 1·2	53	0	45	66·0	+1·7	60·5	+0·8
	p Salisbury (Wilton) ..	180	78	28th	46	23rd	74·7	51·9	62·5	+ 1·4	0	0·00	0	- 17	Marlborough ..	6·0	+ 0·4	38	0	42	64·2	•	57·7	•
	a Wisley, Surrey ..	150	79	23, 24	48	23rd	77·0	55·0	65·2	+ 4·1	1	0·05	1	- 12	Salisbury	•	•	•	0	45	67·4	•	•	•
	a Tunbridge Wells ..	354	78	23rd	47	22nd	74·4	54·3	63·7	+ 2·8	2	0·08	2	- 13	Wisley	6·9	+ 0·7	44	0	39	65·7	+2·7	59·6	+0·3
	a Margate	53	78	23rd	52	22nd	75·1	59·3	66·7	+ 4·7	2	0·12	3	- 10	Tunbridge Wells	7·7	+ 1·4	49	0	40	64·8	+1·0	60·5	•
															Margate	8·1	+ 2·1	52	0	43	68·7	+6·3	63·6	+5·0
	a Dungeness	21	71	24th	47	22nd	67·1	55·3	60·8	- 0·2	2	0·20	5	- 8	Dover	9·2	—	59	0	40	•	•	•	•
	p St. Leonards	178	78	24th	52	22nd	69·4	57·3	62·9	+ 1·6	3	0·35	9	- 6	St. Leonards ..	7·8	+ 0·9	51	0	50	66·3	•	61·0	•
	p Southampton	64	76	23–25, 28	51	23rd	74·4	56·9	65·0	+ 2·4	2	0·39	10	- 6	Southampton ..	6·3	- 0·2	40	0	48	•	•	•	•
	a Ventnor	59	73	24, 28	55	23, 24	70·6	57·6	63·7	+ 1·8	2	0·14	4	- 10	Ventnor	7·4	+ 0·7	48	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	79	27th	53	22, 23	76·8	57·9	66·7	+ 4·7	0	0·00	0	- 15	Richmond ..	6·1	+ 0·1	39	0	40	65·8	+3·3	59·0	+1·2
	a Westminster	27	79	23, 24, 28	51	22nd	77·2	57·7	66·8	+ 4·1	0	0·00	0	- 15	Westminster ..	6·2	+ 0·8	40	0	48	•	•	•	•
	cg Greenwich	155	82	23, 24	49	22nd	80·0	56·0	67·2	+ 3·9	0	0·00	0	- 13	Greenwich ..	6·9	- 0·7	44	0	41	•	•	•	•
	a Hampstead	450	77	23rd	54	22, 23	75·0	56·1	64·9	—	0	0·00	0	—	Hampstead ..	7·0	—	45	0	42	•	•	•	•
	rg Camden Square ..	110	83	23, 27	52	22nd	81·0	57·7	68·5	+ 5·0	0	0·00	0	- 16	Camden Square	5·2	0·0	33	0	51	•	•	•	•
7. a, ENGLAND, N.W.																							
	f Aspatria (Mealsgate)	487	73	23rd	51	22nd	68·1	56·4	61·8	+ 4·0	5	0·56	14	- 11	Aspatria.. ..	5·8	+ 0·7	36	0	?46	62·5	•	59·1	•
	p Newton Rigg	559	76	22nd	46	22nd	72·1	53·1	61·9	+ 4·3	3	1·20	31	+ 10	Newton Rigg ..	6·7	+ 1·6	42	0	41	62·9	+2·9	59·9	+0·3
	p Stonyhurst	277	77	23rd	51	22nd	71·1	56·3	63·2	+ 5·0	4	0·67	17	- 12	Stonyhurst ..	5·3	+ 0·3	33	0	47	•	•	•	•
	p Blackpool	66	77	23rd	51	22nd	70·9	57·6	63·8	+ 4·8	3	0·54	14	- 7	Blackpool ..	6·3	+ 0·3	29	0	42	63·2	•	56·8	•
	a Southport	37	77	23rd	51	22nd	70·3	57·3	63·4	+ 4·3	3	0·39	10	- 11	Southport ..	5·7	- 0·1	36	0	46	67·8	+4·0	62·3	+1·6
															Hoylake ..	5·8	+ 0·2	36	•	•	•	•	•	•
	a Liverpool (Bidston) ..	188	78	23rd	53	28th	71·4	58·6	64·6	+ 4·9	4	0·51	13	- 6	Liverpool ..	5·5	—	35	0	49	•	•	•	•
	a Hawarden Bridge ..	22	78	23rd	51	22nd	72·9	57·6	64·7	+ 4·3	4	0·36	9	- 7	Manchester (City)	3·8	- 0·3	24	0	47	65·1	+4·3	61·4	+3·6
	p Manchester (Whit. Pk.)	125	81	22nd	52	22nd	75·7	57·6	66·0	+ 5·7	1	0·21	5	- 17	Whitworth Park	4·6	+ 0·2	29	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	71	75	23rd	52	22nd	70·6	57·6	63·7	+ 3·8	5	0·40	10	- 7	Llandudno ..	5·6	- 0·1	35	•	•	•	•	•	•
	a Holyhead	16	70	22, 23	51	22nd	66·6	55·1	60·5	+ 2·0	3	1·18	30	+ 11	Holyhead	4·5	—	28	0	43	•	•	•	•
	p Bettws-y-Coed ..	148	78	22nd	51	22nd	72·1	56·3	63·7	+ 5·3	4	0·61	15	—	Bettws-y-Coed.	3·9	—	25	•	•	60·1	+1·8	54·1	-0·4
	p Aberdovey	22	73	22nd	55	22nd	70·7	60·0	65·0	—	4	0·54	14	—	Aberdovey ..	4·4	- 1·1	28	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	73	23rd	51	22nd	68·0	58·3	62·8	—	5	0·52	13	—	Aberystwyth	4·4	− 0·9	28	•	•	•	•	•	•
a Rhayader	767	74	22nd	43	22nd	70·6	54·0	61·7	—	2	0·40	10	—	Rhayader	4·6	—	29	0	37	•	•	•	•
a St. Ann's Head	149	64	23, 24, 28	55	22nd	63·6	57·1	60·1	+ 1·4	4	1·46	37	+ 18	St. Ann's Head	3·6	− 2·4	23	•	•	•	•	•	•
p Cardiff	202	76	22, 24	54	22, 23	72·0	57·4	64·2	+ 4·0	2	0·27	7	− 17	Cardiff	5·0	—	32	0	40	65·1	+4·5	59·0	+0·6
b, ENGLAND, S.W.																							
a Bath	66	77	22nd	50	23rd	73·7	57·0	64·8	+ 3·9	2	0·07	2	− 16	Bath	•	•	•	•	•	66·0	+2·0	61·3	+0·8
a Shaftesbury	722	74	24th	54	22nd	70·6	56·0	62·8	+ 3·1	2	0·05	1	− 18	Shaftesbury	•	•	•	•	•	63·9	•	59·0	•
a Arlington	613	74	22nd	48	22nd	69·3	55·3	61·8	+ 3·3	5	0·48	12	− 18										
a Newquay	190	71	22nd	50	22nd	67·3	56·4	61·5	+ 1·4	4	0·35	9	− 8	Newquay	3·8	− 2·3	25	•	•	64·7	•	58·7	•
a Cullompton	202	77	24th	47	23rd	73·9	53·9	63·2	+ 2·8	2	0·26	7	− 13	Cullompton	4·3	− 1·1	28	0	41	64·8	•	•	•
a Portland Bill	19	68	24th	57	22nd	65·7	58·3	61·7	+ 1·3	1	0·31	8	− 5	Weymouth	6·9	—	45	•	•	•	•	•	•
p Plymouth	116	71	24, 25, 28	53	22nd	69·4	58·4	63·5	+ 2·6	4	0·49	12	− 8	Plymouth	5·2	− 0·9	34	0	48	65·7	− 0·2	59·9	•
a Falmouth	167	71	24, 28	53	22nd	68·3	57·4	62·5	+ 2·2	3	0·21	5	− 16	Falmouth	3·4	− 3·1	22	0	47	65·1	•	61·2	•
9. IRELAND, N.																							
a, West *a* Malin Head	208	72	22nd	55	22, 24	66·0	56·7	61·0	+ 4·6	5	0·55	14	− 4	Malin Head	3·3	—	20	•	•	•	•	•	•
a, West *a* Blacksod Point	327	66	22, 23	55	28th	64·3	57·0	60·4	+ 3·0	5	0·59	15	− 7	Markree Castle	2·3	− 1·9	14	0	46	62·3	•	56·1	•
a, West *p* Markree Castle	122	73	25th	49	24th	68·6	54·0	60·8	+ 4·1	7	1·15	29	+ 7										
b, East *p* Armagh	196	72	22nd	49	22nd	69·1	56·0	62·1	+ 4·7	5	1·13	29	+ 10	Armagh	1·6	− 2·8	10	0	46	60·3	−1·3	55·7	−1·9
b, East *a* Donaghadee	101	72	26th	50	22nd	67·6	51·4	60·5	+ 3·4	6	0·83	21	+ 3										
10. IRELAND, S.																							
p Dublin, City	47	75	26th	55	22nd	69·6	59·0	63·9	+ 3·9	4	0·77	20	+ 1	Dublin City	•	•	•	0	51	•	•	•	•
a Birr Castle	175	73	22, 25	51	28th	69·4	57·0	62·8	+ 4·5	5	1·35	34	+ 12	Trinity Coll.	•	•	•	•	•	•	•	•	•
a Kilkenny	212	73	26th	54	22nd	69·7	57·3	63·1	+ 4·3	3	0·52	13	− 8	Phœnix Park	3·7	− 1·5	23	0	44	•	•	•	•
a Waterford	20	72	25th	55	22, 28	68·9	58·3	63·2	+ 3·6	5	0·31	8	− 15	Birr Castle	1·4	− 3·0	9	0	44	•	•	•	•
a Seskin, Carrick-on-Suir	541	70	25th	52	28th	67·4	56·4	61·5	—	6	0·96	25	—	Seskin	3·0	•	19	0	52	•	•	•	•
a Cahir	199	74	26th	51	28th	69·7	57·0	63·9	+ 4·0	5	0·35	9	—										
a Foynes	50	71	22, 25, 26	52	28th	69·3	57·9	63·2	+ 4·4	4	0·33	8	− 15										
a Cahirciveen (Val. Obs.)	30	67	23, 26	51	28th	65·1	58·1	61·4	+ 2·6	6	1·22	31	+ 3	Cahirciveen	2·3	− 2·6	15	0	47	•	•	•	•
a Killarney	174	77	22nd	58	28th	72·0	60·3	65·7	+ 6·6	6	0·52	13	− 12	Ballinacurra	•	•	•	•	•	•	•	•	•
a Roche's Point	32	69	25th	55	28th	66·7	58·1	62·1	+ 3·1	7	0·84	21	− 1										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's	131	68	23rd	56	28th	66·4	57·9	61·9	+ 1·4	4	0·42	11	− 4	Scilly	4·3	− 2·1	28	•	•	•	•	•	•
a Jersey, St. Aubins	25	79	27th	55	27th	74·4	57·9	65·6	+ 3·3	1	0·02	1	− 13	St. Heliers	8·0	+ 0·9	52	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	78	24th	54	22nd	73·9	58·3	65·6	+ 3·7	2	0·06	2	− 12	Guernsey†	9·7	+ 2·4	63	0	49	65·5	+1·7	61·3	+0·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 28th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)**	188	16	5	—	—	—	—	29	111	28	0	W. by S.	11	27	15	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	2	58	98	10	—	6	26	14	16	26	14	15
Aberdeen	153	105	52	—	—	—	—	10	72	86	0	S.	8	26	10	13	26	13	0
Edinburgh	486	39	31	—	—	—	—	26	99	43	0	SSW.	10	26	11	17	26	10	40
c, SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	47	85	36	0	SSW.	10	26	9	15	26	9	5
Paisley	188	81	52	—	—	—	—	6	90	72	0	WSW.	6	27	4	18	26	14	0
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	2	71	95	0	SW. by W.	6	27	13	14	27	12	40
South Shields	72	61	12	—	—	—	—	6	58	104	0	WSW.	8	26	15	15	26	15	15
Spurn Head	66	40	‡	—	—	—	—	—	90	55	23	—	5	28	1	9	27	20	25
3. ENGLAND, E.																			
Yarmouth (Cup Anr.)	73	60	—	—	—	—	—	5	144	19	0	NE.	6	28	14	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	19	121	28	0	—	7	27	13	11	27	13	20
Shoeburyness	103	90	‡	—	—	—	—	6	139	23	0	SW.	6	27	18	19	26	14	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	3	94	71	0	WSW.	6	27	17	10	27	17	40
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	26	66	76	0	—	11	26	14	15	26	14	15
Warlingham	642	33	‡‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—
Brighton	261	53	6	—	—	—	—	5	84	79	0	—	6	26	18	10	26	18	10
Richmond (Kew Obs.)	82	65	22	—	—	—	—	—	105	63	0	S.W. by S.	5	27	18	9	27	18	15
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	6*	82	80	0	SW.	6	27	2	12	27	2	10
Fleetwood (Cup Anr.)	109	44	—	—	—	26, 27	2	37	94	29	6	W. by S.	12	26	24	—	—	—	—
Southport	80	62	48	—	—	26 to 28	13	33	103	19	0	SW. by W.	13	26	24	18	26	21	40
Holyhead	60	40	‡	—	—	26	6	98	58	6	0	SSW.	12	26	14	17	26	14	45
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	—	—	—	—	20	103	45	0	SW.	9	26	14	12	26	14	15
Plymouth	185	88	2	—	—	—	—	5	106	57	0	—	6	26	11	9	26	5	40
Lyme Regis	556	61	‡‡	—	—	—	—	—	3	165	0	—	3	25	17	6	25	16	25
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	—	—	—	—	45	101	22	0	SW.	10	26	12	—	—	—	—
Quilty	100	40	‡‡	—	—	22, 26	5	70	84	9	0	—	12	26	18	17	26	12	0
Cahirciveen (Val. Obs.)	98	41	‡‡	—	—	—	—	74	71	26	0	SW. by S.	10	26	14	14	26	13	10
Weaver Pt.	160	30	‡	—	—	—	—	28	91	49	0	—	10	26	14	15	26	8	0
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	—	—	—	—	—	116	52	0	WNW.	5	21	23	8	24	21	45

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTIETH WEEK of 1917—July 22nd to July 28th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	78	43	91·8	84·8	88·1	+ 2·4	120	+ 30	0	0	5	+ 1	0·63	16	− 1	5·5	+1·4	33	1015
Eastern.																			
1. SCOTLAND, EAST ...	78	40	94·7	85·0	89·5	+ 3·2	138	+ 39	0	0	3	− 1	0·42	11	− 6	6·6	+2·1	40	1016
2. ENGLAND, N.E.	80	45	96·8	86·5	91·3	+ 3·6	160	+ 45	0	0	3	− 1	0·41	10	− 8	6·5	+1·4	41	1019
3. ENGLAND, EAST ...	84	42	97·9	86·7	91 9	+ 3·1	169	+ 39	0	0	1	− 3	0 03	1	− 14	8·2	+2·4	52	1020
4. MIDLAND COUNTIES ...	82	46	97·4	86·3	91·4	+ 3·0	162	+ 38	0	0	2	− 2	0·27	7	− 12	5·9	+0·7	38	1020
5. ENGLAND, S.E.	79	45	95·9	86·3	90·8	+ 1·5	154	+ 19	0	0	2	− 1	0·14	4	− 11	7·4	+1·0	47	1021
Western.																			
6. SCOTLAND, WEST ...	74	47	93 0	85·9	89·2	+ 2 3	134	+ 28	0	0	5	+ 1	1·00	25	+ 5	4·2	−0·9	26	1017
7. ENGLAND, N.W.	81	46	94·7	86·7	90·4	+ 2·5	150	+ 33	0	0	4	0	0 62	16	− 6	5·4	+0·2	34	1019
8. ENGLAND, S.W.	77	43	93·9	86·6	90·0	+ 1·5	144	+ 19	0	0	3	− 1	0·40	10	− 11	4·2	−1·5	27	1021
9. IRELAND, NORTH ...	73	49	92·7	86·3	89·3	+ 2 4	135	+ 29	0	0	6	+ 1	0·93	24	+ 4	2·0	−2·4	12	1016
10. IRELAND, SOUTH ...	77	51	93·5	87·5	90·3	+ 2·3	148	+ 29	0	0	5	+ 1	0·69½	17	− 6	2·5	−2·4	16	1018
11. ENGLISH CHANNEL ...	79	54	95·0	87·4	91·0	+ 1·7	157	+ 21	0	0	2	− 2	0·17	5	− 10	7·3	+0·4	48	1021

THE SEASON (Summer).—Aggregates, &c., for the Period of 8 Weeks, June 3rd to July 28th, 1917.

0. SCOTLAND, NORTH ...	81	33	89·3	82·0	85·4	+ 0·4	690	+ 31	0	− 1	29	− 3	5·14	129	− 11	6·2	+1·5	36	1016
Eastern.																			
1. SCOTLAND, EAST ...	79	29	91·1	81·2	85·8	− 0·1	738	− 2	3	+3	18	−11	3·97	101	− 17	7·2	+1·7	42	1017
2. ENGLAND, N.E.	87	35	92·6	83·1	87·5	+ 0·6	907	+ 70	0	0	19	− 6	2·20	55	− 51	7·2	+1·2	43	1018
3. ENGLAND, EAST ...	93	40	94·3	84·6	89·1	+ 1·2	1068	+122	0	0	20	− 5	3·45	89	− 12	7·9	+1·2	49	1018
4. MIDLAND COUNTIES ...	89	36	24·2	83·3	88·4	+ 0·7	991	+ 72	0	0	19	− 6	3·49	89	− 18	6·9	+0·9	42	1018
5. ENGLAND, S.E.	90	36	94·0	84·8	89·0	+ 0·7	1057	+ 75	0	0	19	− 4	4·80	122	+ 27	7·7	+0·6	48	1018
Western.																			
6. SCOTLAND, WEST ...	80	32	91·4	82·4	86·6	+ 0·2	813	+ 13	0	0	23	− 7	4·72	120	− 27	7·1	+1·1	42	1017
7. ENGLAND, N.W.	82	36	92·4	83·5	87·7	+ 0·5	918	+ 51	0	0	19	− 8	3·66	94	− 32	7·9	+1·7	48	1017
8. ENGLAND, S.W.	86	35	92·2	84·1	87·9	+ 0·3	941	+ 27	0	0	24	− 3	4·93	127	+ 2	6·9	+0·3	43	1018
9. IRELAND, NORTH ...	75	32	90·6	83·0	86·6	+ 0·2	806	+ 10	0	0	32	− 2	4·82	122	− 14	5·8	+0·7	35	1016
10. IRELAND, SOUTH ...	77	40	91·8	84·0	87·6	+ 0·2	915	+ 25	0	0	31	+ 2	4·13	103	− 30	5·5	−0·1	34	1017
11. ENGLISH CHANNEL ...	83	48	92·7	85·8	89·0	+ 0·7	1052	+ 70	0	0	21	− 5	3·39	87	− 7	7·8	0·0	49	1019

THE YEAR 1917.—Aggregates, &c., for the Period of 30 Weeks, December 31st, 1916, to July 28th, 1917.

0. SCOTLAND, NORTH ...	81	10	82·6	76·6	79·5	− 0·5	1025	− 76	684	+145	128	− 8	19·32	490	−180	3·7	+0·1	28	1014
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	83·1	75·5	79·2	− 1·0	1113	−141	884	+267	98	−19	13·64	349	− 62	4·3	+0·1	32	1015
2. ENGLAND, N.E.	87	5	83·9	76·7	80·2	− 0·8	1394	− 16	781	+309	99	− 6	11·34	289	− 39	4·3	−0·2	33	1016
3. ENGLAND, EAST ...	93	5	84·8	77·2	80·9	− 0·7	1660	+ 16	786	+292	94	− 9	11·30	290	− 27	4·8	0·0	37	1016
4. MIDLAND COUNTIES ...	89	4	85·0	76·6	80·6	− 0·9	1613	− 28	831	+309	89	−13	13·07	334	− 21	4·1	−0·2	31	1016
5. ENGLAND, S.E.	90	4	85·1	77·7	81·2	− 0·9	1688	− 62	693	+314	85	−14	13·68	349	+ 5	4·9	−0·1	38	1016
Western.																			
6. SCOTLAND, WEST ...	80	11	83·8	76·9	80·2	− 0·9	1287	−103	663	+247	102	−22	17·45	444	−160	4·2	−0·1	32	1016
7. ENGLAND, N.W.	82	5	84·2	77·2	80·6	− 0·9	1453	− 39	703	+321	92	−18	14·63	374	− 71	4·6	+0 2	35	1016
8. ENGLAND, S.W.	86	4	84·5	77·7	81·0	− 1·1	1549	−113	619	+318	95	−15	16·45	418	− 71	4 9	+0·1	38	1016
9. IRELAND, NORTH ...	75	7	83·9	77·5	80·6	− 0·9	1332	−117	536	+196	120	−16	16·96	433	− 68	3·8	−0·2	29	1015
10. IRELAND, SOUTH ...	77	9	85·0	78·2	81·5	− 0·8	1615	− 87	501	+241	114	− 5	16 21	412	−117	4·1	−0·4	32	1016
11. ENGLISH CHANNEL ...	83	22	85·2	79·7	82·3	− 1·0	1765	−140	317	+242	97	−18	14·39	366	− 33	5·5	−0·2	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches.	mm.	mm	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: August 2nd, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 31.

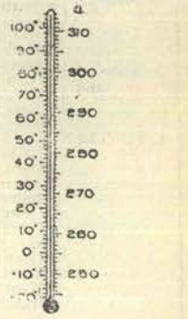
THE THIRTY-FIRST WEEK OF 1917.

SUNDAY, JULY 29TH TO SATURDAY, AUGUST 4TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Ireland, Scotland, Wales and the western districts of England were generally under the influence of an anticyclone or anticyclonic ridge lying to the westward or northward of the United Kingdom, and experienced as a whole fine, dry weather with a moderately high temperature. The eastern and south-eastern counties of England, on the contrary, were under cyclonic influence, and over a large area, rain, which set in on Sunday, continued with little interruption throughout the week. During the earlier days of the period the rain was due to a shallow depression which originated over the north-east of France and the south-east of England on July 29th. The system subsequently moved eastward, became larger, and less well defined, and finally travelled westward from beyond Holland to the south-east of England. During the latter part of the week another depression moved westward from Denmark to the south-east of England and prolonged the rainy weather.



The main wind direction was from the Northward in all districts; over the North Sea and east of England it occasionally increased to a strong breeze or high wind, and at Spurn Head on August 1st reached the force of a gale.

Rainfall. In England South-East the total fall was 890 per cent. of the normal, and in England East 840 per cent., while there was a large excess in England North-East and at some stations in the Midland Counties and the South-West. In Scotland, Ireland, and England North-West the percentage was very low, the value being only 9 or 10 over the greater part of the area. The largest fall within twenty-four hours, 48 mm., occurred at Margate on August 1st, and the highest aggregate for the week, 144 mm., also fell at that station. At some places in Ireland, the south-west of England and west of Scotland there was no rain. Thunder occurred at Margate and at a few Scottish localities early in the period, and at Oxford and Stonyhurst on August 4th.

Sea Surface Temperature exceeded the normal at Lerwick and some extreme western stations, but was below it elsewhere. The temperature of the air was below the normal in most parts of England, but exceeded it in Ireland and most of Scotland. The highest maximum recorded was 299·5 a. at Fort William on the 4th, and the lowest 277 a. at some Scottish stations earlier in the week.

Bright Sunshine. In the eastern and south-eastern parts of England the mean daily loss of sunshine was about 6 hr., while in Ireland there was a mean daily excess of about that amount. The mean duration per day ranged from 1 hr. or less in the Midland Counties, England South-East and East to 6 hr. or more in Scotland North and West and England South-West and to more than 10 hr. in Ireland. At Tunbridge Wells the daily mean was only 0·1 hr., and at Marlborough and Richmond (Kew Obs.) 0·2 hr.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	2	1·9	2	1·1	3	2·2	1	2·0	0	—	0	—	0	—	0	—
North	23	6·1	18	2·1	24	5·6	21	3·4	27	6·2	28	5·4	22	3·9	21	5·0
West	16	2·2	4	3·1	13	2·6	14	2·2	18	2·0	16	2·7	15	5·9	14	2·7
East	6	2·6	16	1·7	13	5·7	5	1·9	4	2·6	7	2·8	4	3·6	6	1·0
Calm	2	—	8	—	0	—	3	—	1	—	0	—	3	—	6	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Moderate	Deficient	Deficient	Deficient	Deficient	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate
Rainfall ...	Very light	Light	Heavy	Very heavy	Heavy	Very heavy	Light	Light	Moderate	Very light	Very light	Heavy
Sunshine ...	Very abundant	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Abundant	Scanty	Moderate	Very abundant	Very abundant	Very scanty

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 9 weeks from June 3rd, 1917. Warmth ...	5, 3, 1	2, 5, 2	5, 1, 3	5, 1, 3	5, 1, 3	4, 1, 4	4, 3, 2	2, 6, 1	2, 5, 2	2, 5, 2	5, 2, 2	5, 3, 1
Rainfall ...	2, 3, 4	3, 1, 5	1, 4, 4	3, 2, 4	3, 3, 3	3, 4, 2	4, 0, 5	1, 3, 5	1, 7, 1	1, 4, 4	0, 8, 1	3, 4, 2
Sunshine ...	6, 3, 0	5, 3, 1	3, 5, 1	4, 3, 2	3, 4, 2	2, 5, 2	5, 2, 2	5, 3, 1	3, 4, 2	4, 3, 2	3, 4, 2	2, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(12754—19.) Wt. 153—442. 450. 8/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1903.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. a Lerwick	54	65	4th	48	31st	59·1	51·6	55·1	+ 1·9	2	0·02	0·4	- 16										
p Deerness	160	65	29th	50	1st	59·6	51·9	56·0	—	1	0·08	2	- 14	Deerness	4·9	+ 1·1	30	•	•	•	•	•	•
a Stornoway	51	71	4th	48	1st	64·3	51·4	57·5	+ 2·5	4	0·09	2	- 19	Stornoway	8·2	+ 4·1	50	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	69	3, 4	51	1st	65·3	54·3	59·5	+ 5·0	0	0·00	0	—	Castlebay	10·6	—	66						
b, Mainland. a Wick	81	61	29th	49	31, 1	58·3	50·7	54·3	- 0·6	4	0·09	2	- 14	Fort Augustus..	4·8	+ 1·7	30	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	74	3, 4	39	1st	63·7	49·9	57·8	+ 2·8	0	0·00	0	- 37										
p Fort Augustus..	68	66	2nd	45	2nd	63·3	51·1	56·8	0·0	1	0·28	7	- 12										
p Fort William	171	80	4th	48	31, 1	69·6	51·1	59·8	+ 2·6	0	0·00	0	- 33										
1. SCOTLAND, E.																							
a Nairn	82	67	29th	49	1st	63·7	51·7	57·3	+ 0·3	3	0·07	2	- 11	Nairn	3·4	—	21	•	•	•	•	•	•
p Gordon Castle	101	70	4th	51	31, 1	62·7	52·9	57·5	+ 0·4	2	0·09	2	- 14	Gordon Castle..	3·9	—	24	•	•	•	•	•	•
a Aberdeen	46	65	4th	50	31st	59·7	52·6	55·9	- 1·0	5	0·21	5	- 9	Aberdeen	1·7	- 3·4	11	0	46	•	•	55·6	+1·9
a Balmoral	930	74	4th	47	31, 1	62·9	49·7	55·9	+ 1·4	3	0·27	7	- 8	Balmoral	•	•	•	0	44	•	•	•	•
p Crieff	432	75	1st	45	31st	67·9	49·9	58·4	+ 0·3	3	0·47	12	- 7	Crathes	2·0	- 2·8	13	0	38	58·6	-0·4	55·3	+0·2
a Dundee	244	70	1, 4	43	31st	66·3	50·6	58·0	—	2	0·27	7	- 9	Dundee	5·4	—	34	0	39	59·7	•	•	•
a Leith	18	67	1st	51	31st	63·0	54·0	58·2	- 0·8	3	0·32	8	- 6	Leith	•	•	•	0	45	•	•	•	•
a Edinburgh	441	64	1st	49	31, 1	61·6	52·9	57·0	—	4	0·28	7	- 7	Edinburgh	2·9	- 2·3	18	0	44	•	•	•	•
a West Linton	769	65	1st	39	31st	61·1	46·7	53·5	- 1·3	4	0·12	3	—	West Linton	3·9	—	25	0	35	•	•	•	•
p Marchmont	498	69	30th	48	31st	61·3	50·7	55·7	- 1·2	4	0·28	7	- 9	Marchmont	2·6	- 2·6	16	0	43	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	77	3rd	39	1st	70·2	47·8	58·3	—	1	0·02	1	—	Ford (Argyll)	•	•	•	•	•	63·0	•	57·6	•
p Glasgow Observatory	180	74	1st	48	31st	68·4	53·4	60·5	+ 2·7	2	0·11	3	- 16	Glasgow	6·3	+ 1·8	49	0	35	•	•	•	•
p Rothesay	170	74	3rd	48	1st	68·9	52·9	60·4	+ 2·8	2	0·10	3	- 21	Rothesay	3·7	—	55	0	43	61·4	•	57·0	+2·1
a Kilmarnock	90	75	4th	45	1st	69·4	48·3	58·2	+ 1·4	1	0·47	12	- 8	Kilmarnock	5·6	—	35	•	•	60·5	•	56·9	•
a Colmonell	170	75	4th	42	31st	69·7	48·7	58·6	+ 2·0	1	0·01	0	- 19	Colmonell	•	•	•	0	35	•	•	•	•
p Cally, Gatehouse	120	74	1st	42	31st	69·7	47·9	58·2	+ 1·4	1	0·10	3	- 19	Dumfries	5·1	—	33	0	37	61·3	•	59·8	•
a Dumfries	160	71	4th	46	31st	66·0	53·4	59·3	+ 0·7	1	0·67	17	- 2	Eskdalemuir	4·0	—	25	0	37	•	•	•	•
a Eskdalemuir	794	67	1, 4	44	31st	62·3	48·4	54·9	—	1	0·12	3	—										
b, I. OF MAN p Douglas	277	70	4th	49	31st	65·1	53·0	58·7	+ 1·1	1	0·11	3	- 16	Douglas	7·3	+ 1·1	47	0	44	•	•	•	•
2. ENGLAND, N.E.																							
a North.. a Alnwick Castle	210	65	29th	52	30, 1, 4	60·4	52·7	56·3	- 1·6	3	1·41	36	+ 21										
p Tynemouth	71	60	29, 3	52	31st	57·9	53·9	55·8	- 2·4	3	0·31	8	- 5	Cockle Park	2·5	- 3·1	16	0	45	57·6	-1·4	56·5	+0·8
p Durham	336	66	3rd	49	31st	64·3	52·3	57·9	- 0·7	4	0·81	21	+ 8	Durham	2·0	- 3·4	13	—	—	•	•	•	•
p Rounton	249	65	4th	49	31st	60·4	52·4	56·2	- 1·8	7	1·20	31	+ 17	Rounton	•	•	•	0	45	59·7	•	•	•
a West Witton	605	65	29th	49	31st	60·7	52·4	56·3	—	4	0·30	8	—	West Witton	•	•	•	0	46	59·6	•	55·4	•
p Scarborough	100	64	4th	49	31st	61·1	53·0	56·8	- 2·7	6	1·61	41	+ 28	Scarborough†	1·6	- 4·2	10	•	•	•	•	50·0	•
p York	56	69	4th	52	31st	63·3	54·9	58·9	- 1·5	5	0·52	13	+ 1	York	1·8	- 3·6	12	•	•	59·1	-0·7	57·7	+1·2
b, South.. a Spurn Head	26	63	4th	55	1, 3	60·3	56·4	58·2	- 2·1	6	0·87	22	+ 12	Spurn Head	1·0	—	6	•	•	•	•	•	•
a Lincoln	58	—	—	53	31, 1	—	54·9	—	—	6	1·78	45	+ 33	Lincoln	•	•	•	•	•	63·0	+1·0	59·4	+2·3
a Fulbeck	180	68	29, 4	52	2nd	62·3	51·3	58·1	- 2·7	7	2·52	64	+ 51	Rauceby	1·3	- 5·3	8	•	•	62·7	-1·7	59·7	+1·4
														Skegness	1·3	- 5·6	8	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	72	29th	54	31, 1	62·7	55·4	58·8	- 1·5	7	1·19	30	+ 20	Cromer	1·6	- 5·1	10	•	•	•	•	•	•
p Little Massingham	280	71	29th	53	31, 1	61·4	54·9	58·0	- 2·5	7	4·05	103	+ 90	Lit. Massingham	0·9	- 5·5	6	0	52	•	•	•	•
a Yarmouth	13	67	29th	55	1st	62·6	57·0	59·6	- 1·0	7	2·83	72	+ 61	Yarmouth	1·8	—	12	0	55	64·6	-1·8	61·6	0·0
a Norwich	93	72	29th	55	1st	63·6	56·7	59·9	- 1·1	7	3·20	81	+ 70	Norwich	1·2	—	8	0	52	64·0	•	•	•
a Geldeston	37	70	29th	53	31, 1	63·4	54·9	58·9	- 1·8	7	3·33	85	+ 75	Geldeston	1·5	- 5·3	10	•	•	•	•	•	•
p Cambridge	41	72	29th	53	1st	63·1	55·0	58·8	- 2·6	7	3·93	100	+ 90	Cambridge	0·3	- 6·4	2	0	48	62·3	-1·6	60·7	+0·8
a Clacton-on-Sea	54	68	29th	54	31, 1	62·6	56·6	59·4	- 2·0	6	3·17	80	+ 71	Clacton	1·0	- 6·4	7	0	53	62·5	+1·2	61·1	+1·0
a Rothamsted	424	70	29th	51	1st	60·9	53·9	57·2	- 3·1	7	4·63	118	+107	Rothamsted	0·3	- 6·3	2	0	49	60·1	•	•	•
p Tottenham	51	72	29th	53	1st	62·9	56·3	59·4	- 2·8	7	3·49	89	—	Tottenham	0·4	—	3	0	52	•	•	61·7	+0·7
4. MIDLAND COUNTIES.																							
a North.. a Harrogate	479	65	4th	49	31st	60·0	52·0	55·8	- 2·4	6	0·65	16	+ 2	Harrogate	1·4	- 4·3	9	0	46	58·6	+0·9	57·7	+2·0
p Sheffield	429	66	4th	51	31st	61·6	54·1	57·6	—	6	0·73	19	—	Sheffield	0·8	- 4·9	5	0	49	59·3	-0·9	56·2	+1·0
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	•	•	•	•	•	•	•	•	•
b, East.. a Bawtry	65	67	4th	52	31st	62·1	54·6	58·1	- 2·1	4	0·81	21	+ 9	Worksop	0·9	- 4·3	6	0	47	60·1	•	57·8	•
a Nottingham	82	69	4th	52	31st	62·3	54·9	58·4	- 2·0	7	1·24	31	+ 18	Nottingham	0·8	- 5·0	5	0	50	60·1	-2·2	59·7	+1·1
p Birmingham, Edgbn.	535	65	29, 3, 4	50	31, 1	61·9	53·7	57·6	- 2·5	6	1·18	20	+ 17	Birmingham	0·3	- 4·7	2	0	46	56·2	-1·1	53·6	+0·4
a Raunds	202	72	29th	51	1st	63·0	53·6	58·0	- 3·2	7	2·67	68	+ 54	Raunds	•	•	•	0	43	63·1	•	57·0	•
p Oxford	208	70	29th	52	31, 1	62·0	54·6	58·1	- 3·3	6	2·43	62	+ 50	Oxford	0·5	- 5·9	3	0	44	•	•	•	•
c, West.. a Cheadle (N. Staffs.)	616	66	4th	49	1st	62·1	51·4	56·4	- 2·1	3	0·70	18	+ 1	Cheadle	•	•	•	0	48	•	•	•	•
p Shrewsbury	191	69	4th	49	31st	61·4	53·6	58·7	- 1·3	5	0·46	12	- 1	Shrewsbury	•	•	•	0	42	•	•	•	•
a Hereford§	291	65	29-31, 2	50	30, 31	64·0	52·7	58·0	- 2·4	5	0·82	21	+ 9	Malvern§	0·8	—	5	0	42	62·1	•	61·4	•
a Clifton	229	68	29th	53	1st	64·9	53·7	60·0	- 2·5	5	0·93	24	+ 4	Clifton	0·6	—	4	0	52	•	•	•	•
5. ENGLAND, S.E.																							
														Worthing	0·5	- 7·0	3	0	51	61·3	-1·7	60·9	+0·6
a Marlborough	424	74	29th	49	29, 1	63·0	51·3	56·8	- 2·3	6	2·19	56	+ 45	Marlborough	0·2	- 5·8	1	0	44	60·9	•	58·0	•
p Salisbury (Wilton)	180	71	29th	50	1st	62·9	52·1	57·2	- 4·0	7	2·18	55	+ 44	Salisbury	•	•	•	0	49	63·4	•	•	•
a Wisley, Surrey	150	74	29th	51	29th	62·7	54·1	58·1	- 3·1	7	4·00	102	+ 93	Wisley	0·3	- 6·4	2	0	43	61·8	-1·8	60·1	+0·1
a Tunbridge Wells	354	70	29th	52	29, 1	61·6	53·9	57·5	- 3·5	7	4·34	110	+100	Tunbridge Wells	0·1	- 6·9	1	0	41	61·6	-3·2	60·8	•
a Margate	53	71	29th	54	2nd	63·7	57·3	60·3	- 2·0	6	5·65	144	+135	Margate	0·4	- 6·2	3	0	53	64·3	+1·1	64·2	+5·0
a Dungeness	21	67	29th	54	1, 2	62·3	55·6	58·8	- 2·6	7	4·61	117	+109	Dover	0·4	—	3	0	44	•	•	•	•
p St. Leonards	178	64	30th	52	1st	61·6	54·9	58·1	- 3·5	7	3·77	96	+ 86	St. Leonards	•	•	•	0	52	63·0	•	61·2	•
p Southampton	64	76	29th	52	1st	66·6	54·6	60·2	- 2·5	5	2·31	59	+ 48	Southampton	0·5	- 6·6	3	0	47	•	•	•	•
a Ventnor	59	71	29th	53	31, 1	64·3	55·4	59·6	- 2·6	6	2·09	53	+ 44	Ventnor	0·8	- 6·4	5	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	72	29th	53	31, 1	62·6	55·4	58·8	- 3·3	7	4·01	102	+ 92	Richmond	0·2	- 6·3	1	0	44	62·1	-0·9	59·7	+1·3
a Westminster	27	73	29th	54	1st	64·2	56·2	60·0	- 2·8	7	4·01	103	+ 93	Westminster	0·3	- 5·6	2	0	50	•	•	•	•
ag Greenwich	155	74	29th	53	31, 1	63·9	54·9	59·1	- 4·0	7	4·21	107	+ 94	Greenwich	0·4	- 7·1	3	0	44	•	•	•	•
a Hampstead	450	70	29th	50	1st	61·4	53·4	57·2	—	7	4·13	105	—	Hampstead	0·4		3	0	42	•	•	•	•
cg Camden Square	110	77	29th	53	31, 1	68·4	55·6	61·6	- 1·9	7	3·85	98	+ 88	Camden Square	0·3	- 5·3	2	0	53	•	•	•	•
7. a, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	68	4th	45	31st	62·4	50·1	55·9	- 2·1	2	0·15	4	- 20	Aspatria	3·3	- 2·3	21	0	43	59·4	•	55·6	•
p Newton Rigg	559	68	3, 4	46	30th	64·4	50·6	57·1	- 0·5	4	0·07	2	- 17	Newton Rigg	3·5	- 2·1	22	0	41	61·4	+1·1	58·7	+0·7
p Stonyhurst	377	70	4th	49	31st	64·7	53·7	58·9	+ 0·6	3	0·05	1	- 26	Stonyhurst	3·7	- 1·8	24	0	43	•	•	•	•
p Blackpool	66	72	4th	50	31st	67·6	53·9	60·3	+ 1·1	2	0·03	1	- 19	Blackpool	5·0	- 1·5	32	0	42	61·5	•	57·3	•
a Southport	37	71	4th	50	31st	66·3	51·0	59·8	+ 0·4	1	0·06	2	- 17	Southport	4·6	- 1·8	30	0	45	63·9	0·0	62·2	+1·2
														Hoylake	4·0	- 2·1	26	•	•	•	•	•	•
a Liverpool (Bidston)	188	69	3rd	51	31st	64·7	51·9	59·5	- 0·4	5	0·24	6	- 11	Liverpool	4·1	—	26	0	47	•	•	•	•
a Hawarden Bridge	22	69	3rd	50	1st	65·7	54·7	59·9	- 0·7	4	0·55	14	- 1	Manchester (City)	1·7	- 2·8	11	0	46	62·8	+1·4	63·2	+3·8
p Manchester (Whit. Pk.)	125	69	4th	51	31st	64·6	55·0	59·5	- 0·9	3	0·35	9	- 11	Whitworth Park	1·6	- 3·2	10	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	71	67	4th	55	31st	63·9	56·1	59·8	- 0·4	2	0·16	4	- 12	Llanduduo	4·9	- 1·5	32	•	•	•	•	•	•
a Holyhead	15	66	4th	54	1st	63·3	55·0	58·9	0·0	0	0·00	0	- 17	Holyhead	7·2	—	47	0	49	•	•	•	•
p Bettws-y-Coed	108	68	30th	49	31st	64·9	51·6	57·9	- 0·7	5	0·26	7	—	Bettws-y-Coed.	4·3	—	28	•	•	57·9	-0·5	54·9	-0·1
p Aberdovey	22	72	30th	51	1st	67·7	55·4	61·2	—	0	0·00	0	—	Aberdovey	4·8	- 1·3	31	•	•	•	•	•	•

†Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	67	30, 4	36	31, 1	64·4	55·3	59·6	—	1	0·02	1	—	Aberystwyth ..	4·7	- 1·2	31	•	•	•	•	•	•
a Rhayader	757	64	30, 4	47	31, 1	62·3	50·1	55·8	—	3	0·27	7	—	Rhayader ..	2·9	—	19	0	42	•	•	•	•
a St. Ann's Head ..	149	65	4th	49	30th	63·1	53·1	57·8	- 1·1	0	0·00	0	- 15	St, Ann's Head	9·5	+ 2·8	62	•	•	•	•	•	•
p Cardiff	202	67	29, 30, 2	50	1st	66·1	54·9	60·2	0·0	1	0·73	19	- 1	Cardiff	2·5	—	16	0	42	63·0	+1·3	59·3	+0·5
b, ENGLAND, S.W.																							
a Bath	66	65	29, 2-4	53	1st	63·9	55·4	59·4	- 1·5	7	1·22	31	+ 17	Bath	•	•	•	•	•	63·7	-0·7	61·8	+0·8
a Shaftesbury	722	67	29th	48	1st	61·0	51·0	55·7	- 4·0	7	2·04	52	+ 37	Shaftesbury ..	•	•	•	•	•	60·6	•	59·3	•
a Arlington	613	66	29, 30, 4	49	1st	64·7	52·4	58·2	- 0·4	3	0·57	14	- 11										
a Newquay	190	65	3rd	55	1st	63·0	57·0	59·8	- 0·5	0	0·00	0	- 13	Newquay ..	9·1	+ 2·2	60	•	•	63·8	•	59·1	•
a Cullompton	202	70	30, 2, 4	50	1st	68·4	54·4	61·0	+ 0·6	5	0·70	18	+ 2	Cullompton ..	1·9	- 4·3	13	0	41	62·7	•	•	•
a Portland Bill	19	68	29th	53	1st	63·0	56·4	59·5	- 1·2	6	1·55	39	+ 28	Weymouth ..	1·2	—	8	•	•	•	•	•	•
p Plymouth	116	73	4th	50	1st	67·6	55·1	61·0	0·0	2	0·31	8	- 8	Plymouth ..	6·5	- 0·4	43	0	46	63·9	-2·1	60·1	•
a Falmouth	167	70	4th	50	1st	66·7	55·1	60·6	+ 0·2	0	0·00	0·1	- 17	Falmouth ..	9·8	+ 2·5	65	0	46	64·8	•	61·9	•
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	66	4th	53	1st	61·9	55·0	58·2	+ 1·3	0	0·00	0	- 18	Malin Head ..	11·1	—	70	•	•	•	•	•	•
a Blacksod Point ..	327	63	29, 31, 4	52	1st	62·4	54·1	58·0	+ 0·1	3	0·06	2	- 20	Markree Castle	10·6	+ 6·4	68	0	38	62·0	•	56·7	•
p Markree Castle ..	122	68	4th	43	1st	66·0	48·4	56·7	- 0·3	1	0·03	1	- 21										
b, East .. *p* Armagh	196	74	3rd	44	1st	69·7	48·4	58·4	+ 0·7	1	0·15	4	- 14	Armagh	10·5	+ 6·2	67	0	39	59·5	-2·2	56·3	-1·7
a Donaghadee	101	63	3, 4	52	1st	62·0	53·4	57·4	- 0·2	1	0·02	0·4	- 17										
10. IRELAND, S.																							
p Dublin, City	47	72	3rd	49	1st	68·3	53·4	60·4	+ 0·2	3	0·32	8	- 8	Dublin City ..	•	•	•	0	45	•	•	•	•
a Birr Castle	175	73	4th	42	2nd	69·7	48·6	58·5	- 0·1	1	0·08	2	- 17	Trinity Coll. ..	•	•	•	•	•	62·5	+1·2	58·9	+0·8
a Kilkenny	212	74	4th	47	1, 2	70·4	51·1	60·2	+ 1·2	2	0·04	1	- 17	Phœnix Park ..	10·4	+ 5·1	68	0	38	•	•	•	•
a Waterford	20	75	2, 3	49	1st	70·6	51·4	60·4	+ 0·6	1	0·09	2	- 18	Birr Castle ..	10·3	+ 5·7	67	0	35	•	•	•	•
a Seskin, Carrick-on-Suir	541	73	2, 4	47	31, 1	69·7	50·1	59·3	—	3	0·06	2	—	Seskin	9·9	•	64	0	44	•	•	•	•
a Cahir	199	75	3rd	49	2nd	71·0	52·3	61·1	+ 2·0	0	0·00	0	—										
a Foynes	50	73	2nd	50	31, 2	69·3	53·3	60·8	+ 1·7	1	0·01	0·3	- 20										
a Cahirciveen (Val. Obs.)	30	67	30th	47	29th	65·1	53·7	59·1	- 0·1	0	0·00	0	- 24	Cahirciveen ..	10·1	+ 5·1	66	0	45	•	•	•	•
a Killarney	174	72	2nd	49	29-31	70·1	51·9	60·5	+ 1·0	3	0·06	2	- 20	Ballinacurra ..	10·2	+ 5·0	67	•	•	•	•	•	•
a Roche's Point	32	72	2nd	52	1st	69·1	54·7	61·5	+ 2·1	2	0·03	1	- 18										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	67	30th	56	1, 2	64·7	57·0	60·6	- 0·2	0	0·00	0·1	- 13	Scilly	9·4	+ 1·7	63	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	66	29th	55	1, 2	62·7	56·7	59·5	- 3·2	6	1·61	41	+ 29	St. Heliers ..	2·0	- 6·6	13	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	66	3, 4	54	31, 1, 2	63·1	55·4	59·0	- 3·2	5	0·96	24	+ 12	Guernsey† ..	1·1	- 7·6	7	0	47	62·6	-1·9	61·8	+0·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 4th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	93	72	3	0	N.	10	1	15	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	20	107	41	0	—	7	1	12	18	1	13	15
Aberdeen	153	105	52	—	—	3	1	65	79	23	0	NNW.	11	3	4	18	3	4	15
Edinburgh	485	39	31	—	—	—	—	3	130	35	0	NNE.	8	31	23	14	31	23	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	1 to 3	8	84	53	23	0	NNE.	14	2	11	21	2	10	25
Paisley	188	81	52	—	—	—	—	3	100	65	0	NE.	6	31	13	12	4	17	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	1	9	76	64	19	0	N. by W.	12	1	11	22	1	11	15
South Shields	72	61	12	—	—	1, 2	21	72	49	26	0	N. by E.	14	1	15	22	1	13	25
Spurn Head	66	40	‡	—	—	1 to 3	37	72	26	4	29	—	17	1	11	23	1	10	55
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	30, 31, 2 to 4	33	68	65	2	0	NE. by E.	13	4	1	—	—	—	—
Gorleston	52	42	‡	—	—	30, 31, 2 to 4	42	84	30	0	12	—	15	31	4	20	31	4	25
Shoeburyness	103	90	‡	—	—	—	—	84	77	7	0	ESE	9	4	10	15	31	2	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	35	118	15	0	NW.	10	2	13	17	2	12	55
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	31, 2, 3	26	77	46	11	8	—	13	31	6	20	31	8	45
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—
Brighton	261	53	6	—	—	31	1	91	69	7	0	—	11	31	15	19	31	13	45
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	8	143	17	0	N. by E.	6	4	11	13	2	12	45
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	7	90	71	0	N. by E.	7	1	11	12	1	11	20
Fleetwood (Cup Anr.) ..	109	44	—	—	—	30 to 3	19	103	46	0	0	NE. by N.	15	1	10	—	—	—	—
Southport	80	62	48	—	—	30 to 2	9	124	34	1	0	N.	13	2	11	18	1	20	0
Holyhead	60	40	‡	—	—	31 to 2	16	118	30	4	0	NE. by N.	13	31	3	16	31	2	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	31, 2	6	79	70	0	13	NNW.	12	2	11	19	2	15	25
Plymouth	185	88	2	—	—	—	—	62	88	18	0	—	10	2	16	17	2	15	35
Lyme Regis	556	61	‡	—	—	—	—	17	68	73	10	—	9	30	20	14	31	7	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	2	3	68	80	17	0	W. by N.	12	2	7	—	—	—	—
Quilty	100	40	‡	—	—	—	—	81	56	31	0	—	10	2	17	14	1	17	30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	68	75	25	0	NNW.	10	2	14	15	2	14	40
Weaver Pt.	160	30	‡	—	—	1 to 3	15	94	31	25	0	—	13	2	7	18	2	6	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	2	1	92	65	6	0	N. by W.	11	2	3	15	2	10	55

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIRST WEEK of 1917—July 29th to August 4th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees: Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	80	39	90·6	83·6	86·8	+ 0·7	104	+ 10	0	0	2	− 3	0·08	2	− 20	6·0	+2·4	37	1019
Eastern.																			
1. SCOTLAND, EAST ..	75	39	90·1	83·6	86·7	− 0·2	102	− 2	0	0	3	− 1	0·23	6	− 9	3·0	−2·0	19	1017
2. ENGLAND, N.E.	69	49	89·3	85·1	87·1	− 1·1	107	− 14	0	0	5	+ 2	1·23	31	+ 18	1·8	−4·1	11	1013
3. ENGLAND, EAST ...	72	51	89 9	86·1	87 9	− 1·2	118	− 14	0	0	7	+ 4	3·31	84	+ 74	1·0	−5·7	6	1007
4. MIDLAND COUNTIES ...	72	49	90·1	85·1	87·4	− 1·2	111	− 15	0	0	5	+ 2	1·19	30	+ 17	0·8	−5·1	5	1011
5. ENGLAND, S.E.	76	49	90·3	85·5	87·8	− 1·6	116	− 21	0	0	7	+ 4	3·52	89	+ 79	0·4	−6·6	3	1008
Western.																			
6. SCOTLAND, WEST ...	77	39	93·2	83·4	88·0	+ 0·8	119	+ 11	0	0	1	− 3	0·20	5	− 16	6·8	+1·4	43	1017
7. ENGLAND, N.W.	72	45	91·1	85·0	87·9	− 0·2	118	− 2	0	0	3	− 1	0·19	5	− 15	4·2	−1·6	27	1015
8. ENGLAND, S.W.	73	47	91·2	85·1	87·9	− 0·6	118	− 7	0	0	3	0	0·74	19	+ 2	6·3	−0·1	41	1014
9. IRELAND, NORTH ...	74	42	91·5	83·7	87·4	+ 0·2	111	+ 1	0	0	1	− 4	0·06	2	− 18	10·6	+6 2	68	1018
10. IRELAND, SOUTH ...	75	42	93·7	84·3	88·7	+ 0·5	128	+ 7	0	0	1	− 3	0·07	2	− 18	10·3	+5·0	67	1019
11. ENGLISH CHANNEL ...	67	54	90·5	86·6	88·4	− 1·1	124	− 14	0	0	4	+ 1	0·86	22	+ 10	4·2	− 42	28	1015

THE SEASON (Summer).—Aggregates, &c., for the Period of 9 Weeks, June 3rd to August 4th, 1917.

0. SCOTLAND, NORTH ...	81	33	89·5	82·1	85·6	+ 0·5	794	+ 41	0	− 1	31	− 6	5·22	131	− 31	6·2	+1·7	36	1016
Eastern.																			
1. SCOTLAND, EAST ...	79	29	91·0	81·5	85·9	− 0·1	840	− 4	3	+3	21	−12	4·20	107	− 26	6·7	+1·2	40	1017
2. ENGLAND, N.E.	87	35	92·3	83·3	87·5	+ 0·4	1014	+ 56	0	0	24	− 4	3·43	86	− 33	6·6	+0·6	40	1018
3. ENGLAND, EAST ...	93	40	93·8	84·8	89·0	+ 0·9	1186	+108	0	0	27	− 1	6·76	172	+ 62	7·2	+0·5	44	1016
4. MIDLAND COUNTIES ...	89	36	93·8	83·5	88·3	+ 0·5	1102	+ 57	0	0	24	− 4	4·68	119	− 1	6·2	+0·2	38	1017
5. ENGLAND, S.E.	90	36	93·6	84·8	88·9	+ 0·5	1173	+ 54	0	0	26	0	8·32	211	+106	6·9	−0·2	43	1017
Western.																			
6. SCOTLAND WEST ...	80	32	91·6	82·5	86·8	+ 0·3	932	+ 24	0	0	24	−10	4·92	125	− 43	7·1	+1·2	43	1017
7. ENGLAND, N.W.	82	36	92·3	83·7	87·7	+ 0·4	1036	+ 49	0	0	22	− 9	3·85	99	− 47	7·5	+1·4	45	1017
8. ENGLAND, S.W.	86	35	92·1	84·2	87·9	+ 0·2	1059	+ 20	0	0	27	− 3	5·67	146	+ 4	6·8	+0 2	43	1018
9. IRELAND, NORTH ...	75	32	90·7	83·1	86·6	+ 0·1	917	+ 11	0	0	33	− 6	4·88	124	− 32	6·3	+1·3	39	1016
10. IRELAND, SOUTH ...	77	40	92·0	84·1	87·8	+ 0·3	1043	+ 32	0	0	32	− 1	4·20	105	− 48	6·0	+0·5	37	1017
11. ENGLISH CHANNEL ...	83	48	92·4	85·9	88·9	+ 0·5	1176	+ 56	0	0	25	− 4	4·25	109	+ 3	7·5	−0·3	47	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 31 Weeks, December 31st, 1916, to August 4th, 1917.

0. SCOTLAND, NORTH ..	81	10	82·9	76·8	79·7	− 0·5	1129	− 66	684	+145	130	−11	19·40	492	−200	3·8	+0·2	28	1015
Eastern.																			
1. SCOTLAND, EAST ...	79	−2	83·4	75·8	79·4	− 1·0	1215	−143	884	+267	101	−20	13·87	355	− 71	4·2	0·0	32	1015
2. ENGLAND, N.E.	87	5	84·1	77·0	80·4	− 0·8	1501	− 30	781	+309	104	− 4	12·57	320	− 21	4·2	−0·4	32	1016
3. ENGLAND, EAST ...	93	5	85·0	77·5	81·1	− 0·7	1778	+ 2	786	+292	101	− 5	14·61	374	+ 47	4·6	−0·3	35	1015
4. MIDLAND COUNTIES ...	89	4	85·1	76·9	80·8	− 0·9	1724	− 43	831	+309	94	−11	14·26	364	− 4	4·0	−0·4	30	1016
5. ENGLAND, S.E.	90	4	85·2	77·9	81·4	− 1·0	1804	− 83	693	+314	92	−10	17·20	438	+ 84	4·7	−0·4	36	1015
Western.																			
6. SCOTLAND, WEST ...	80	11	84·1	77·1	80·5	− 0·8	1406	− 92	663	+247	103	−25	17·65	449	−176	4·3	0·0	33	1016
7. ENGLAND, N.W.	82	5	84·4	77·5	80·8	− 0·9	1571	− 41	703	+321	95	−19	14·82	379	− 86	4·6	+0·1	35	1016
8. ENGLAND, S.W.	86	4	84·7	78·0	81·2	− 1·1	1667	−120	619	+318	98	−15	17·19	437	− 69	5·0	+0·2	38	1016
9. IRELAND, NORTH ...	75	7	84·2	77·7	80·8	− 0·9	1443	−116	536	+196	121	−20	17·02	435	− 86	4·0	0·0	30	1015
10. IRELAND, SOUTH ...	77	9	85·3	78·4	81·7	− 0·8	1743	− 80	501	+241	115	− 8	16·28	414	−135	4·4	−0·1	33	1016
11. ENGLISH CHANNEL ...	83	22	85·4	79·9	82·5	− 1·0	1889	−154	347	+242	101	−17	15·25	388	− 23	5·5	−0·3	42	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: August 9th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 125

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 32.

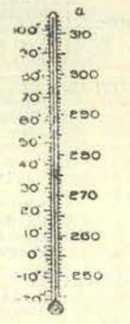
THE THIRTY-SECOND WEEK OF 1917.
SUNDAY, AUGUST 5TH TO SATURDAY, AUGUST 11TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the period the depression that had caused the rainy weather in the east and south-east of England was dispersing slowly over the Channel and north-eastern France, and the general character of the weather underwent some improvement. Before the middle of the week, however, another depression extending over the Kingdom from the Atlantic had produced considerable rain in the western districts, and subsequently the unsettled conditions spread to all parts of the country. The main wind current was from between South and West in Ireland, and between South and East in Scotland; in England the direction was more variable.

In spite of the frequent rain and a general deficiency of sunshine temperature was rather above the normal except in the English Channel. In Scotland North, where as an exception the weather was mostly dry and bright, the plus value was as much as 3 a. The maxima for the week occurred in most places on the 5th, 6th, or 7th, and were highest in Scotland. In Scotland East (at Nairn) the thermometer touched 302 a., and in Scotland West 300 a. was reached at Kilmarnock. In England South-West there was no higher value than 296·5 a., while at many places on the coast the maximum was only 294 a. The minima were, as a general rule, fairly high, but most districts recorded readings below 283 a. some time during the week. The temperature of the Sea surface water was higher than that of the preceding week on some parts of the north-east and east coasts, but lower at some stations in the west. The mean value ranged from 289·5 a. at Eastbourne and Sheephaven to 284·5 a. at Wick. Except at Lerwick and Sheephaven the values were below the normal.



Rainfall exceeded the normal in all districts except Scotland North, the excess being large in Ireland and most parts of England. On the 8th more than 25 mm. fell in Wales and a considerable portion of north-western and northern England; at Harrogate the figure was 58 mm. On the 10th the rain was heaviest in Ireland, the largest measurements being 41 mm. at Seskin, Carrick-on-Suir, and 64 mm. at Kilkenny. In many instances the rain was accompanied by thunder and lightning, which occurred from time to time in practically all districts. Bright Sunshine. In Scotland North the mean daily duration was 3 hr. above the normal, but in other Districts there was a daily loss ranging from nearly 2 hr. in Scotland East to about 1 hr. in England. In Ireland the deficiency was less. The dullest District was Scotland East, with a mean of 2·9 hr. per day, and the brightest the English Channel and Scotland North with more than 6·5 hr. per day.

Aurora was observed at Greenwich in the early morning of the 10th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 20.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	2·6	7	2·5	18	4·5	17	3·8	18	4·0	8	3·1	16	3·4	10	2·6
North	2	2·9	8	1·7	6	2·5	6	1·8	7	2·1	15	1·6	4	1·8	6	0·8
West	0	—	3	2·5	9	1·7	13	2·3	19	3·7	25	3·2	12	5·8	10	4·0
East	28	3·8	11	1·8	13	3·2	8	1·5	6	2·7	0	—	8	2·6	5	0·9
Calm	0	—	13	—	4	—	5	—	1	—	0	—	4	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Very unusual	Unusual	Unusual	Unusual	Moderate	Moderate
	Rainfall ...	Light	Moderate	Very heavy	Moderate	Very heavy	Moderate	Moderate	Moderate	Very heavy	Very heavy	Very heavy	Heavy
	Sunshine ...	Very abundant	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 10 weeks from June 3rd, 1917.	Warmth ...	6, 3, 1	3, 5, 2	6, 1, 3	6, 1, 3	6, 1, 3	4, 2, 4	5, 3, 2	3, 6, 1	3, 5, 2	3, 5, 2	5, 3, 2	5, 4, 1
	Rainfall ...	2, 3, 5	3, 2, 5	2, 4, 4	3, 3, 4	4, 3, 3	3, 5, 2	4, 1, 5	1, 4, 5	2, 7, 1	2, 4, 4	1, 3, 1	4, 4, 2
	Sunshine ...	7, 3, 0	5, 3, 2	3, 5, 2	4, 4, 2	3, 4, 3	2, 6, 2	5, 3, 2	5, 3, 2	3, 5, 2	4, 4, 2	3, 5, 2	2, 3, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(12850—19.) Wt. 153—442. 450. 8/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in	mm	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands..	*a* Lerwick	54	69	5th	54	5, 6	64·4	55·7	59·8	+ 6·8	4	0·31	8	- 7									
	p Deerness	160	68	5th	51	5th	62·9	54·3	58·3	—	1	0·16	4	- 11	Deerness ..	7·9	+ 4·1	50	•	•	•	•	•	•
	a Stornoway	51	73	6th	50	11th	68·7	53·4	60·6	+ 5·8	2	0·16	4	- 16	Stornoway ..	7·7	+ 3·5	49	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	70	9th	54	5th	63·9	56·6	60·0	+ 5·6	4	0·24	6	—	Castlebay ..	4·4	—	28	•	•				
b, Mainland.	*a* Wick	81	63	6th	51	5th	59·4	53·3	56·2	+ 1·6	2	0·12	3	- 12	Fort Augustus..	4·5	+ 1 3	29	•	•	•	•	•	•
	p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—									
	p Glencarron	500	77	5th	47	10th	69·6	54·1	61·4	+ 6·7	2	0·24	6	- 30									
	p Fort Augustus.. ..	68	79	6th	48	11th	69·4	54·1	61·3	+ 4·9	3	0·12	3	- 15									
	p Fort William	171	79	5, 6	49	11th	72·4	54·3	62·8	+ 6·0	3	0·74	19	- 13									
1. SCOTLAND, E.																							
	a Nairn	82	84	6th	49	6th	70·7	53·7	61·7	+ 5·1	4	0·60	15	+ 1	Nairn	3·8	—	24	•	•	•	•	•	•
	p Gordon Castle	101	78	6th	52	5th	71·0	54·9	62·5	+ 5·8	4	0·15	4	- 14	Gordon Castle..	6·4	—	41	•	•	•	•	•	•
	a Aberdeen	46	70	6th	53	11th	62·6	51·6	58·4	+ 1·8	5	0·46	12	- 4	Aberdeen ..	2·4	- 2 5	15	0	46	•	•	55·2	+1·1
	a Balmoral	930	74	5th	45	7th	69·6	49·4	58·9	+ 4·9	5	0·81	21	+ 4	Balmoral ..	•	•		0	43	•	•	•	•
	p Crieff	432	73	5, 6	49	11th	66·4	52 1	58·8	+ 1·2	5	1·14	29	+ 7	Crathes	3·0	- 1·5	19	0	44	59·8	+0·5	55·5	-0·1
	a Dundee	244	73	6th	50	11th	66·0	53·7	59·5	—	5	1·32	34	+ 15	Dundee	1·9	—	12	0	45	60·1	•	•	•
	a Leith	18	70	10th	54	7, 10	63·6	55·0	59·0	+ 0·3	5	0·76	19	+ 3	Leith	•	•	•	0	50	•	•	•	•
	a Edinburgh	441	66	6, 11	52	7th	63·3	53·6	58·2	—	6	0·94	24	+ 8	Edinburgh ..	2·3	- 2·7	15	0	49	•	•	•	•
	a West Linton	769	72	6th	47	11th	66·4	50·4	57·9	+ 3·6	4	1·02	26	—	West Linton ..	4·4	—	29	0	40	•	•	•	•
	p Marchmont	498	75	7th	48	7, 8	66·9	51·0	58·5	+ 2·0	6	1·53	39	+ 21	Marchmont ..	4·0	- 0·8	26	0	42	•	•	•	•
6. *a*, SCOTLAND, W.																							
	a Ford (Argyll)	149	74	5th	52	11th	68·5	55·9	61·8	—	4	1·13	29	—	Ford (Argyll) ..	•	•	•	0	45	63·7	•	58·1	•
	p Glasgow Observatory	180	73	5, 7	54	10, 11	67·6	55·4	61·1	+ 3·7	4	1·06	27	+ 6	Glasgow.. ..	4·0	- 0·3	26	0	47	•	•	•	•
	p Rothesay	170	71	5th	53	11th	66·3	54·7	60·2	+ 2·8	4	1·02	26	0	Rothesay	4·4	—	29	0	51	62·1	•	57·6	+2·6
	a Kilmarnock	90	81	5th	54	7, 11	71·4	55·3	62·9	+ 6·4	5	0·73	19	- 3	Kilmarnock ..	4·8	—	31	•	•	61·2	•	56·8	•
	a Colmonell	170	76	5th	53	10th	68·4	55·1	61·4	+ 5·0	4	0·94	24	+ 3	Colmonell ..	•	•	•	0	47	•	•	•	•
	p Cally, Gatehouse ..	120	76	5th	49	7th	68·1	52·1	59·6	+ 3·2	4	1·06	27	+ 3	Dumfries	4·4	—	28	0	43	62·9	•	59·8	•
	a Dumfries	160	78	5th	51	11th	68·4	54·7	61·1	+ 2·9	4	1·43	36	+ 16	Eskdalemuir ..	4·2	—	27	0	41	•	•	•	•
	a Eskdalemuir	794	72	5, 6	50	7th	66·4	52 9	59·3	—	4	1·93	49	—										
b, I. OF MAN	*p* Douglas	277	71	5th	53	10th	63·4	55·4	59·2	+ 1·8	5	1·58	40	+ 19	Douglas	5·1	- 0 9	33	0	50	•	•	•	•
2. ENGLAND, N.E.																							
a North ..	*a* Alnwick Castle ..	210	72	10th	49	7th	67·1	53·6	60·0	+ 2·7	5	1·80	46	+ 30									
	a Tynemouth	71	68	10th	54	5, 6	62·0	55·4	58·5	+ 0·8	5	1·02	26	+ 11	Cockle Park ..	4·2	- 1·1	27	0	47	59·7	+0·3	56·0	- 0·3
	p Durham	336	76	6, 8	52	10, 11	70·1	54·3	61·7	+ 3·7	6	1·35	34	+ 20	Durham	4·2	—	27	•	•	•	•	•	•
	p Rounton	249	76	7th	52	9th	67·9	54·7	60·9	+ 3·5	7	1·63	41	+ 25	Rounton	•	•	•	0	48	60·7	•	56·0	•
	a West Witton	605	73	7th	53	10th	68·7	55·1	61·5	—	6	2·00	51		West Witton ..	•	•	•	0	48	60·2	•	55·0	•
	p Scarborough	100	69	10, 11	54	5, 6, 9, 10	66·6	55·3	60·6	+ 1·6	4	1·92	49	+ 34	Scarborough† ..	4·4	- 1·1	29	•	•	•	•	50·0	•
	p York	56	78	7th	53	5th	71·7	56·1	63·4	+ 3·7	5	1·45	37	+ 23	York	4·1	- 1·0	27	•	•	61·2	+0·7	57·5	+0·5
b, South	*a* Spurn Head	26	71	10th	55	5, 7	65·4	56·9	60·9	+ 1·1	2	0·87	22	+ 11	Spurn Head ..	4·0	—	26	•	•	•	•	•	•
	a Lincoln	58	80	7th	55	7th	71·1	56·1	63·2	+ 2·9	4	1·39	35	+ 22	Lincoln	•	•	•	•	•	62·9	+0·5	59·0	+1·8
	a Fulbeck	180	76	7th	54	5, 10	70·0	55·0	62·1	+ 1·9	6	1·04	27	+ 13	Rauceby	4·9	- 1·3	32	•	•	63·0	- 2·1	59·0	+0·1
															Skegness	5·0	- 1·5	33	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	72	8th	52	7, 10	68·1	55·0	61·2	+ 1·1	4	0·65	17	+ 6	Cromer	5·3	- 0·8	35	•	•	•	•	•	•
	p Little Massingham ..	280	76	7th	52	9, 10	68·3	54·3	60·9	+ 0·8	4	0·43	11	- 4	Lit. Massingham	4·2	- 1·6	28	0	52	•	•	•	•
	a Yarmouth	13	71	10th	50	6th	68·0	55·6	61·4	+ 1·0	3	0·67	17	+ 4	Yarmouth ..	5·8	—	39	0	51	65·1	- 2·0	61·1	-1·2
	a Norwich	93	76	7th	53	10th	70·9	56·9	63·5	+ 2·8	3	0·30	8	- 5	Norwich	5·0	—	33	0	49	64·3	•	•	•
	a Geldeston	37	72	7,8,10,11	52	10th	71·0	55·0	62·5	+ 2·1	3	0·26	7	- 4	Geldeston	4·8	- 1·3	32	•	•	•	•	•	•
	p Cambridge	41	77	7th	51	7th	71·6	54·7	62·6	+ 1·6	4	0·55	14	+ 2	Cambridge ..	5·4	- 0·7	36	0	48	63·2	- 1·0	59·9	- 0·5
	a Clacton-on-Sea ..	54	72	10th	56	9th	67·9	58·0	62·7	+ 1·5	3	0·32	8	- 2	Clacton	5·8	- 1·1	39	0	53	63 2	+0·9	60·5	- 0·2
	a Rothamsted	424	73	7th	51	9th	67·6	54·3	60 6	+ 0·7	5	1·58	40	+ 27	Rothamsted ..	4·8	- 1·3	32	0	46	60·7	•	•	•
	p Tottenham	51	75	7th	55	9th	70 6	58·1	64·0	+ 2·3	3	0·29	7	—	Tottenham ..	5·1	—	34	0	53	•	•	60·9	- 0·8
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	70	6th	53	10th	68·0	55·4	61·3	+ 3·3	6	2·74	70	+ 56	Harrogate	3·2	- 2·2	21	0	51	59 3	+1·2	57·1	+0·9
	p Sheffield	429	78	7th	55	10th	69·6	56 0	62·4	—	5	1·50	38	—	Sheffield.. ..	4·1	- 1·2	27	0	50	59·8	- 0·9	56·0	- 0·1
	p Buxton	987	74	7th	50	7th	66·6	53·0	59·4	+ 3·0	4	1·37	35	+ 14	Buxton	4·4	—	29	0	49	60·0	- 0·6	56·8	+2·0
b, East	*a* Bawtry	65	—	—	—	—	—	—	—	—	—	—	—	—	Worksop	4·3	- 0·6	28	0	48	61·5	•	57·5	•
	a Nottingham	82	78	7th	50	7th	69·6	55·1	61·9	+ 1·9	5	1·18	30	+ 18	Nottingham ..	3·7	- 1·8	25	0	48	62·0	- 0·5	59·1	- 0·3
	p Birmingham, Edgbsn.	535	74	7th	53	9th	68·4	55·7	61·7	+ 1·9	6	1·11	28	+ 15	Birmingham ..	4·6	- 0·2	31	0	47	57·2	- 0·7	58·4	- 0·3
	a Raunds	203	78	7th	52	9, 10	71·6	54·7	62·6	+ 1·7	4	2·00	51	+ 38	Raunds	•	•	•	0	42	62·1	•	57·4	•
	p Oxford	208	73	7th	53	9th	69·0	56·7	62·5	+ 1·4	4	0·42	11	- 1	Oxford	5·1	- 1·0	34	0	49	•	•	•	•
c, West	*a* Cheadle (N. Staffs.) ..	646	76	7th	52	8th	68·4	54·3	60·9	+ 2·7	5	1·13	29	+ 12	Cheadle	•	•	•	0	51	•	•	•	•
	p Shrewsbury	191	76	7th	53	5th	69·6	54·6	61 7	+ 2·1	6	0·94	24	+ 10	Shrewsbury ..	•	•	•	0	44	•	•	•	•
	a Hereford§	291	73	6, 7	52	7th	67·9	54·0	60·5	+ 0·4	5	1·68	43	+ 31	Malvern§	5·1	—	34	0	46	62·6	•	60·4	•
	a Clifton	229	75	6th	53	9th	69·4	56·9	62·8	+ 0·6	5	2·07	53	+ 33	Clifton	5·7	—	38	0	53	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	72	7th	50	7th	67·3	53·1	59·8	+ 0·9	6	1·48	38	+ 26	Worthing	6·0	- 1·1	40	0	52	63·8	- 1·9	60·4	- 0·6
	p Salisbury (Wilton) ..	180	78	5th	50	9th	70·0	53·4	61·2	+ 0·3	5	1·00	25	+ 13	Marlborough ..	3·8	- 1·9	26	0	47	60·3	•	57·9	•
	a Wisley, Surrey ..	150	76	7th	52	9th	70·7	56·1	63·0	+ 2·0	3	0·25	6	- 3	Salisbury	•	•	•	0	48	64·2	•	•	•
	a Tunbridge Wells ..	354	73	6, 7	52	9th	69·3	55·4	61·9	+ 1·0	4	0·38	10	- 1	Wisley	5·9	- 0·5	40	0	46	62 5	-1·5	59·2	-1·4
	a Margate	53	72	7th	54	9th	68·6	56·6	62·2	- 0·1	3	0·74	19	+ 10	Tunbridge Wells	5·0	- 1·6	34	0	47	62·5	-2·7	60·0	•
															Margate	6 1	- 0·2	41	0	50	65·3	+1·5	63·0	+3·1
	a Dungeness	21	69	5th	54	6th	66·3	57·3	61·5	0·0	2	0·24	6	- 3	Dover	6·0	—	40	0	50	•	•	•	•
	p St. Leonards	178	70	5th	54	6th	66·9	56·4	61·3	- 0·3	3	0·33	8	- 3	St. Leonards ..	6·1	- 0·9	41	0	53	64·2	•	60·7	•
	p Southampton	64	73	5, 6	54	9th	68·1	57·4	62·4	- 0·1	4	0·81	16	+ 4	Southampton ..	4·7	- 2·0	32	0	45	•	•	•	•
	a Ventnor	59	72	5th	56	9th	66·7	58·0	62·1	- 0·2	3	0·20	5	- 4	Ventnor	5·5	- 1·3	37	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	75	7th	55	9th	70·5	57·6	63·7	+ 1·9	4	0·76	19	+ 9	Richmond	5·7	- 0·5	38	0	47	63·0	- 0·5	59·0	+0·1
	a Westminster	27	77	6th	55	9th	72·1	57·7	64·5	+ 1·9	4	0·24	6	- 4	Westminster ..	5·5	- 0·1	37	0	52	•	•	•	•
	ag Greenwich	155	77	7th	53	9th	72·6	56·4	64·0	+ 2·7	4	0·34	9	- 4	Greenwich ..	6·6	- 0·6	44	0	47	•	•	•	•
	a Hampstead	450	73	7th	52	9th	68·9	55 8	62·0	—	4	0·30	8	—	Hampstead ..	5·1	—	34	0	43	•	•	•	•
	ag Camden Square ..	110	78	8th	55	9th	74·3	57·4	65·3	+ 2·0	4	0·30	8	- 2	Camden Square	5·1	- 0·2	34	0	53	•	•	•	•
7. *a*, ENGLAND, N.W.																							
	c Aspatria (Mealsgate)	487	75	5th	52	6, 10, 11	67·0	53·3	59·7	+ 1·8	4	1·38	35	+ 13	Aspatria.. ..	4·8	- 0·4	31	0	47	60·6	•	56·4	•
	p Newton Rigg	559	75	5th	47	5th	67·4	51·6	59·0	+ 1·8	4	0 74	19	+ 1	Newton Rigg ..	4·7	- 0·5	31	0	43	61·7	+1·1	56·8	+0·3
	p Stonyhurst	377	74	5th	54	9, 10	67·4	55·3	61·0	+ 3·0	4	0·91	23	- 2	Stonyhurst ..	3·6	- 1·5	24	0	48	•	•	•	•
	p Blackpool	66	74	5th	53	7th	67·3	56·3	61·5	+ 2·5	5	0·99	25	+ 7	Blackpool ..	4·3	- 1·8	28	0	45	60·9	•	57·2	•
	a Southport	37	75	5th	55	5, 10	67·4	55·9	61·3	+ 2·1	4	0·95	24	+ 6	Southport	4·6	- 1·4	30	0	47	63·2	-1·0	61·2	-0·2
															Hoylake	4·0	- 1·7	26	•	•	•	•	•	•
	a Liverpool (Bidston) ..	188	75	6th	54	9th	67·4	56·3	61·5	+ 1·8	4	0·49	12	- 4	Liverpool	3·6	—	24	0	50	•	•	•	•
	a Hawarden Bridge ..	22	75	7th	53	5th	67·8	56·3	61·6	+ 1·1	5	1·06	27	+ 13	Manchester(City)	3·2	- 1·0	21	0	51	62·9	+1·1	62·0	+3·0
	p Manchester (Whit. Pk.)	125	79	7th	55	8, 10	71·0	56·7	63·4	+ 3·2	3	0·44	11	- 7	Whitworth Park	3·8	- 0·6	25	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	16	69	6th	53	5th	65·9	55·7	60·5	+ 0·5	5	0·38	10	- 5	Llandudno	4·8	- 1·1	32	•	•	•	•	•	•
	a Holyhead	15	72	5th	54	9, 10	65·0	55·6	60·0	+ 1·1	5	1·65	42	+ 26	Holyhead	5·7	—	38	0	48	•	•	•	•
	p Bettws-y-Coed ..	148	74	7th	53	5th	67·1	54·6	60·5	+ 2·0	6	1·00	25	—	Bettws-y-Coed.	3·6	—	24	•	•	58·4	- 0·2	54·6	- 0·9
	p Aberdovey	22	74	5th	55	11th	66·0	58·0	61·8	—	5	1·89	48	—	Aberdovey ..	4·4	- 1·4	29	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	71	5th	54	5th	66·0	56·9	61·2	—	6	2·66	68	—	Aberystwyth ..	3·7	− 2·0	25	*	*	*	*	*	*
a Rhayader	757	71	6th	50	7th	66·1	53·3	59·3	—	7	1·86	47	—	Rhayader ..	3·7	—	25	0	45	*	*	*	*
a St. Ann's Head	149	66	5th	55	5–7	62·7	56·1	59·2	0·0	5	1·65	42	+ 27	St. Ann's Head	6·5	+ 0·1	44	*	*	*	*	*	*
p Cardiff	202	73	6th	52	9th	68·1	56·0	61·7	+ 1·4	5	1·97	50	+ 31	Cardiff	6·2	—	42	0	49	63·8	+0·9	59·1	−0·3
b, ENGLAND, S.W.																						
a Bath	66	73	6, 7	53	9th	69·9	56·6	62·9	+ 2·0	6	2·47	63	+ 49	Bath	*	*	*	*	*	63·9	−0·9	61·2	−0·2
a Shaftesbury	722	72	6th	50	9th	66·7	54·9	60·5	+ 0·8	4	1·06	27	+ 13	Shaftesbury ..	*	*	*	*	*	60·8	*	58·9	*
a Arlington	613	70	5th	50	5, 9	66·4	53·0	59·3	+ 0·6	6	1·38	35	+ 11										
a Newquay	190	69	7th	51	7th	66·1	54·6	60·0	− 0·5	3	1·00	26	+ 14	Newquay ..	7·5	+ 0·9	50	*	*	63·4	*	59·4	*
a Cullompton	202	74	5–7	47	9th	70·6	54·3	62·0	+ 1·6	7	1·16	30	+ 15	Cullompton ..	5·1	− 0·8	34	0	42	62·7	*	*	*
a Portland Bill	19	68	5th	56	7th	63·4	57·6	60·3	− 0·7	3	1·06	27	+ 17	Weymouth ..	6·1	—	41	*	*	*	*	*	*
p Plymouth	116	71	5, 6	54	7th	67·7	56·1	61·6	+ 0·5	5	0·95	24	+ 19	Plymouth ..	6·5	− 0·1	44	0	50	64·4	−1·3	60·1	*
a Falmouth . ..	167	73	6th	52	9th	66·9	55·1	60·7	+ 0·2	4	1·49	38	+ 22	Falmouth ..	6·1	− 0·9	41	0	45	64·4	*	62·1	*
9. IRELAND, N.																						
a, West .. { *a* Malin Head	208	73	6th	55	8, 11	64·6	56·1	60·1	+ 3·0	5	2·05	52	+ 31	Malin Head ..	2·7	—	18	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	68	5th	55	5, 8–11	63·6	55·6	59·4	+ 1·4	6	0·84	21	− 5	Markree Castle	4·2	− 0·1	27	0	43	62·6	*	56·9	*
{ *p* Markree Castle ..	122	74	5, 6	47	5th	68·6	53·3	60·5	+ 3·5	7	2·33	59	+ 34										
b, East .. { *p* Armagh	196	73	6th	51	11th	68·3	55·0	61·3	+ 3·6	5	2·54	65	+ 44	Armagh	4·2	− 0·1	27	0	47	60·1	−1·9	56·6	−1·7
{ *a* Donaghadee	101	68	7th	53	10th	62·6	54·4	58·3	+ 0·6	5	1·46	37	+ 17										
10. IRELAND, S.																						
p Dublin, City	47	70	5, 6	51	11th	66·0	55·1	60·2	+ 0·3	5	2·78	71	+ 53	Dublin City ..	*	*	*	0	47	*	*	*	*
a Birr Castle	175	76	5th	51	5, 11	67·6	53·0	59·9	+ 1·6	5	3·71	94	+ 72	Trinity Coll. ..	*	*	*	*	*	62·7	0·0	59·0	+0·6
a Kilkenny	212	76	6th	49	5th	68·3	51·9	59·6	+ 0·9	5	3·19	81	+ 61	Phœnix Park ..	3·2	− 2·3	21	0	40	*	*	*	*
a Waterford	20	75	5th	51	5, 9	67·7	52·4	59·6	0·0	4	2·04	52	+ 30	Birr Castle ..	3·8	− 1·0	25	0	44	*	*	*	*
a Seskin, Carrick-on-Suir	541	73	6th	50	10, 11	66·3	52·0	58·7	—	4	2·43	62	—	Seskin	4·9	—	33	0	46	*	*	*	*
a Cahir	199	74	6th	47	8th	68·0	51·7	59·4	+ 0·5	4	1·91	49	—										
a Foynes	50	73	5th	47	8th	67·4	52·9	59·7	+ 0·8	6	2·52	64	+ 42										
a Cahirciveen (Val. Obs.)	30	70	5th	50	9th	65·7	54·3	59·7	+ 0·6	5	1·46	37	+ 10	Cahirciveen ..	5·5	+ 0·2	37	0	46	*	*	*	*
a Killarney	174	74	5th	48	8th	69·1	53·1	60·6	+ 1·3	7	3·46	88	+ 63	Ballinacurra ..	4·7	− 0·6	32	*	*	*	*	*	*
a Roche's Point	32	70	6th	50	8th	66·4	53·4	59·5	+ 0·2	7	1·76	45	+ 24										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	70	6th	55	8, 9, 11	66·1	55·6	60·5	− 0·5	5	0·71	18	+ 4	Scilly	6·3	− 1·1	43	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	69	11th	54	6th	66·7	57·4	61·8	− 1·2	3	0·94	24	+ 11	St. Heliers ..	6·6	− 1·6	45	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	71	6, 7	55	6th	67·9	57·0	62·1	− 0·4	4	1·25	32	+ 19	Guernsey† ..	6·9	− 1·4	47	0	48	63·5	−1·6	61·2	−0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 11th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
0. SCOTLAND, N.															
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	48	120	0	0	SE. 8	7 15	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	—	77	91	0	— 4	9 14	11	9 13 30
Aberdeen	153	105	52	—	—	—	—	4	95	69	0	NNE. 6	9 15	10	9 14 30
Edinburgh	485	39	31	—	—	—	—	3	91	74	0	NE. by N. 6	9 13	11	9 13 25
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	—	—	24	109	35	0	SSW. 8	10 14	14	11 16 15
Paisley	188	81	52	—	—	—	—	—	119	49	0	E. 5	9 12	13	9 11 25
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	1	53	93	21	SSW. 6	11 15	12	11 17 25
South Shields	72	61	12	—	—	—	—	4	58	106	0	E. by S. 6	9 5	11	11 17 0
Spurn Head	66	40	‡	—	—	—	—	54	64	38	12	— 9	11 14	14	11 15 45
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	52	94	22	0	SSE. 9	11 13	—	— — —
Gorleston	52	42	‡	—	—	9, 11	9	65	77	17	0	— 13	11 13	17	11 13 25
Shoeburyness	103	90	‡	—	—	11	3	72	63	30	0	SW. by S. 12	11 14	15	11 14 50
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	29	103	36	0	S. by W. 9	11 10	16	11 10 15
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	10	4	58	67	31	8	— 12	10 13	17	10 11 25
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	— —	— —	—	— — —
Brighton	261	53	6	—	—	—	—	64	79	25	0	— 9	10 11	14	10 11 40
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	25	105	38	0	S.W. by S. 9	11 15	15	11 12 5
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	—	45	123	0	SW. 4	10 11	8	11 13 25
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	29	117	22	0	SW. by S. 10	11 15	—	— — —
Southport	80	62	48	—	—	9	5	43	108	12	0	SW. by W. 13	9 16	18	9 12 30
Holyhead	60	40	‡	—	—	9, 11	8	100	53	7	0	SW. by S. 13	11 14	18	11 13 5
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	10, 11	7	58	67	36	0	SW. 14	11 13	20	11 13 0
Plymouth	185	88	2	—	—	—	—	42	66	60	0	— 10	10 18	13	10 17 45
Lyme Regis	556	61	‡	—	—	—	—	1	28	126	13	— 6	11 1	10	11 0 40
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	9, 10	10	67	62	29	0	E. by S. 14	10 23	—	— — —
Quilty	100	40	‡	—	—	—	—	39	88	31	10	— 10	11 18	14	9 16 45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	23	106	39	0	S. by W 9	7 4	14	7 4 0
Weaver Pt.	100	30	‡	—	—	—	—	44	87	32	5	— 10	7 13	15	9 13 45
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	—	—	35	75	58	0	W. 9	10 23	14	11 0 25

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SECOND WEEK of 1917—August 5th to August 11th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	79	47	92·6	85·3	88·8	+ 2·9	129	+ 37	0	0	3	− 2	0·28	7	− 15	6·7	+3·1	43	1007
Eastern.																			
1. SCOTLAND, EAST ...	84	45	92·6	84·4	88·3	+ 1·6	123	+ 21	0	0	5	+ 1	0·81	21	+ 3	2·9	−1·9	19	1006
2. ENGLAND, N.E.	80	49	93·0	85·9	89·3	+ 1·5	135	+ 18	0	0	5	+ 1	1·39	35	+ 21	4·5	−1·0	29	1007
3. ENGLAND, EAST ...	77	50	93·7	86·2	89·8	+ 0·9	141	+ 11	0	0	4	+ 1	0·56	14	+ 2	5·2	−1·0	34	1008
4. MIDLAND COUNTIES ...	78	50	93·6	85·9	89·6	+ 1·2	139	+ 15	0	0	5	+ 2	1·48	38	+ 25	4·4	−1·2	29	1007
5. ENGLAND, S.E.	78	50	93·2	86·4	89·6	+ 0·2	139	+ 3	0	0	4	+ 1	0·60	15	+ 5	5·5	−1·1	37	1008
Western.																			
6. SCOTLAND, WEST ...	81	49	93·0	85·7	89·1	+ 2·0	133	+ 26	0	0	4	0	1·12	29	+ 6	4·6	−0·6	30	1006
7. ENGLAND, N.W.	79	47	92·6	85·9	89·1	+ 1·2	132	+ 14	0	0	4	0	0·90	23	+ 4	4·3	−1·1	28	1005
8. ENGLAND, S.W.	74	47	92·4	85·9	89·0	+ 0·4	132	+ 6	0	0	5	+ 1	1·51	38	+ 22	5·6	−0·6	38	1007
9. IRELAND, NORTH ...	76	47	91·8	85·6	88·5	+ 1·3	125	+ 17	0	0	6	+ 2	2·16	55	+ 32	4·2	−0·1	27	1004
10. IRELAND, SOUTH ...	76	47	92·7	84·7	88·4	+ 0·3	125	+ 5	0	0	5	+ 1	2·54	65	+ 43	4·3	−0·9	29	1005
11. ENGLISH CHANNEL ...	71	54	92·4	86·7	89·4	− 0·3	137	− 3	0	0	4	+ 1	0·97	25	+ 11	6·6	−1·4	45	1009

THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, June 3rd to August 11th, 1917.

0. SCOTLAND, NORTH ...	81	33	89·8	82·4	85·9	+ 0·7	923	+ 78	0	− 1	34	− 8	5·50	138	− 46	6·3	+1·8	37	1015
Eastern.																			
1. SCOTLAND, EAST ...	84	29	91·1	81·8	86·2	+ 0·1	963	+ 17	3	+3	26	−11	5·01	128	− 23	6·3	+0·9	38	1016
2. ENGLAND, N.E.	87	35	92·3	83·6	87·7	+ 0·6	1149	+ 74	0	0	29	− 3	4·82	121	− 7	6·3	+0·3	39	1017
3. ENGLAND, EAST ...	93	40	93·8	84·9	89·1	+ 0·9	1327	+119	0	0	31	0	7·32	187	+ 64	7·0	+0·4	43	1016
4. MIDLAND COUNTIES ...	89	36	93·8	83·7	88·4	+ 0·5	1241	+ 72	0	0	29	− 2	6·16	157	+ 24	6·0	0·0	37	1016
5. ENGLAND, S.E.	90	36	93·5	85·0	89·0	+ 0·5	1312	+ 57	0	0	30	+ 1	8 92	226	+ 11	6·7	−0·3	42	1016
Western.																			
6. SCOTLAND WEST ...	81	32	91·8	82·9	87·0	+ 0·4	1065	+ 50	0	0	28	−10	6·04	154	− 37	6·9	+1·0	41	1016
7. ENGLAND, N.W.	82	36	92·3	83·9	87·8	+ 0·5	1168	+ 63	0	0	26	− 9	4·75	122	− 43	7·2	+1·1	44	1016
8. ENGLAND, S.W.	86	35	92·1	84·4	88·0	+ 0·2	1191	+ 26	0	0	32	− 2	7·18	184	+ 26	6·7	+0·2	42	1017
9. IRELAND, NORTH ...	76	32	90·8	83·3	86·8	+ 0·2	1042	+ 28	0	0	39	− 4	7·04	179	0	6·1	+1·2	37	1015
10. IRELAND, SOUTH ...	77	40	92·0	84·1	87·8	+ 0·3	1168	+ 37	0	0	37	0	6·74	170	− 5	5·9	+0·4	36	1016
11. ENGLISH CHANNEL ...	83	48	92·4	86·0	89·0	+ 0·5	1313	+ 53	0	0	29	− 3	5·22	134	+ 14	7·4	−0·4	47	1017

THE YEAR 1917.—Aggregates, &c., for the Period of 32 Weeks, December 31st, 1916, to August 11th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·2	77·0	80·0	− 0·4	1258	− 29	684	+145	133	−13	19·68	499	−215	3·9	+0·3	29	1014
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	83·7	76·1	79·7	− 0·9	1338	−122	884	+267	106	−19	14·68	376	− 68	4·2	0·0	31	1015
2. ENGLAND, N.E.	87	5	84·4	77·3	80·7	− 0·7	1636	− 12	781	+309	109	− 3	13·96	355	0	4·2	−0·4	32	1015
3. ENGLAND, EAST ...	93	5	85·2	77·8	81·4	− 0·6	1919	+ 13	786	+292	105	− 4	15·17	388	+ 49	4·6	−0·3	35	1015
4. MIDLAND COUNTIES ...	89	4	85·4	77·2	81·1	− 0·8	1863	− 28	831	+309	99	− 9	15·74	402	+ 21	4·0	−0·4	30	1015
5. ENGLAND, S.E.	90	4	85·5	78·2	81·7	− 0·9	1943	− 80	693	+314	96	− 9	17·80	453	+ 89	4·7	−0·4	36	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·4	77·4	80·7	− 0·8	1539	− 66	663	+247	107	−25	18·77	478	−170	4·3	−0·1	32	1016
7. ENGLAND, N.W.	82	5	84·6	77·7	81·0	− 0·9	1703	− 27	703	+321	99	−19	15·72	402	− 82	4·6	+0·1	35	1015
8. ENGLAND, S.W.	86	4	85·0	78·2	81·4	− 1·1	1799	−114	619	+318	103	−14	18·70	475	− 47	5·0	+0·1	38	1016
9. IRELAND, NORTH ...	76	7	84·4	78·0	81·1	− 0·7	1568	− 99	536	+196	127	−18	19·18	490	− 54	4·0	0·0	30	1015
10. IRELAND, SOUTH ...	77	9	85·5	78·6	81·9	− 0·8	1868	− 75	501	+241	120	− 7	18·82	479	− 92	4·3	−0·2	33	1016
11. ENGLISH CHANNEL ...	83	22	85·6	80·1	82·7	− 1·0	2026	−157	347	+242	105	−16	16·22	413	− 12	5·5	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : August 16th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 33.

THE THIRTY-THIRD WEEK OF 1917.
SUNDAY, AUGUST 12TH, TO SATURDAY, AUGUST 18TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Pressure was high all the week to the south and south-west of the British Isles, and two shallow depressions passed north-eastwards across the northern districts. The wind blew mainly from points between South and West with moderate strength.

Each day was very like its predecessor as regards temperature, and there were no remarkable extremes. The highest maximum 296a. occurred on the 13th, and was recorded both in Ireland and in England East and South-East. The minima were for the most part above 283a., the absolute lowest being 281a. at Gordon Castle on the 13th. The mean was above the normal by 1 to 1½a. in Scotland and Northern England, and by ½a. in Southern England. The temperature of the sea differed less from the normal than was the case last week, the only appreciable difference being a deficit of 1a. on the North-East and South-East coast of England.

Rainfall was above the average for the most part, but normal in East and South-East England. The total was three times the normal in North-West England and twice the normal in East Scotland and North-East England. Sunshine was about 20 per cent. less than the average in the west and north.

Except on the 16th and 17th thunderstorms were very frequent and widespread, but as a rule not very violent. At West Witton in Wensleydale some cattle were struck and killed by lightning on the 14th, and at Harrogate a heavy storm on the afternoon of the same day yielded 20 mm. of rain.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 24.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 24.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	19	2·0	17	3·1	20	3·3	22	3·7	20	4·3	15	3·8	17	3·2	15	2·5
North	2	0·9	1	2·0	1	1·2	0	—	4	2·0	8	2·8	4	1·7	9	1·9
West	6	1·0	12	3·2	17	2·8	24	2·4	23	4·4	26	5·2	22	4·1	21	3·7
East	15	2·5	3	0·8	5	1.8	0	—	2	1·5	0	—	3	2·1	3	0·4
Calm	6	—	8	—	1	—	4	—	2	—	0	—	1	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Heavy	Very heavy	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	Moderate

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 11 weeks from June 3rd, 1917.	Warmth ...	7, 3, 1	4, 5, 2	7, 1, 3	7, 1, 3	7, 1, 3	4, 3, 4	6, 3, 2	4, 6, 1	3, 6, 2	4, 5, 2	6, 3, 2	5, 5, 1
	Rainfall ...	3, 3, 5	4, 2, 5	3, 4, 4	3, 4, 4	5, 3, 3	3, 6, 2	5, 1, 5	2, 4, 5	3, 7, 1	2, 5, 4	2, 8, 1	5, 4, 2
	Sunshine ...	7, 4, 0	5, 3, 3	3, 6, 2	4, 5, 2	3, 5, 3	2, 7, 2	5, 4, 2	5, 3, 3	3, 6, 2	4, 4, 3	3, 6, 2	2, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(12953—19.) Wt. 153—442. 450. 8/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands..	54	66	14, 15	51	18th	63·4	54·9	58·9	+ 6·3	3	0·71	18	+ 2										
	160	62	13, 14, 16	50	17, 18	61·1	52·4	56·5	—	3	0·43	11	- 5	Deerness ..	3·8	+ 0·4	25	•	•	•	•	•	•
	51	66	13–15	47	18th	63·7	52·3	57·7	+ 3·4	5	1·28	32	+ 10	Stornoway ..	4·1	- 0·5	27	•	•	•	•	•	•
	37	68	14th	53	17, 18	63·4	54·7	58·8	+ 4·1	6	1·28	32	—	Castlebay ..	7·9	—	52	•	•	•	•	•	•
b, Mainland.	81	62	13, 16	47	18th	60·0	51·3	55·4	+ 1·3	5	0·54	14	- 1										
	200	—	—	—	—	—	—	—	—	—	—	—	—										
	500	65	13, 15	48	15, 17	62·7	50·4	56·2	+ 2·0	7	2·69	68	+ 30										
	68	67	13, 15	51	13, 18	64·0	53·0	58·2	+ 2·3	7	1·91	49	+ 30										
	171	72	15th	48	15th	66·3	51·9	58·7	+ 2·4	6	2·20	56	+ 22	Fort Augustus..	3·1	- 0·4	21	•	•	•	•	•	•
1. SCOTLAND, E.																							
	82	69	16th	47	15, 18	65·4	49·6	57·0	+ 1·2	7	1·03	26	+ 11	Nairn	4·3	—	28	•	•	•	•	•	•
	101	72	13th	46	16th	66·6	50·0	57·8	+ 1·9	4	0·52	13	- 6	Gordon Castle..	3·4	—	23	•	•	•	•	•	•
	46	70	17th	49	16th	64·4	53·0	58·4	+ 2·6	5	1·18	30	+ 13	Aberdeen ..	4·3	- 0·6	28	0	43	•	•	55·5	+1·1
	930	66	16, 17	47	14, 16, 17	64·6	49·1	56·4	+ 3·3	4	0·88	22	+ 3	Balmoral ..	•	•	•	0	44	•	•	•	•
	432	69	16th	47	18th	64·7	49·6	56·7	- 0·1	7	1·69	43	+ 17	Crathes	3·5	- 1·0	23	0	37	59·3	+0·8	56·0	+0·2
	244	69	16th	47	18th	64·4	51·0	57·3	—	7	1·57	40	+ 19	Dundee	3·8	—	25	0	41	58·6	•	•	•
	18	68	18th	54	12, 16, 18	65·9	54·9	60·1	+ 2·2	7	1·77	45	+ 27	Leith	•	•	•	0	50	•	•	•	•
	441	67	17th	51	18th	63·0	53·1	57·8	—	7	1·90	48	+ 30	Edinburgh ..	3·4	- 1·5	23	0	42	•	•	•	•
	769	64	15th	48	18th	62·3	51·0	56·3	+ 2·8	7	1·94	49	—	West Linton ..	2·9	—	19	0	42	•	•	•	•
	498	67	16th	49	18th	63·7	51·4	57·2	+ 1·5	7	3·00	76	+ 56	Marchmont ..	3·1	- 1·7	21	0	45	•	•	•	•
6. a, SCOTLAND, W																							
	149	67	13, 15	48	18th	65·1	52·0	58·2	—	7	1·13	29	—	Ford (Argyll) ..	•	•	•	0	42	62·4	•	58·3	•
	180	65	15–17	53	18th	63·3	54·4	58·6	+ 1·6	7	1·94	49	+ 27	Glasgow	3·5	- 0·8	23	0	45	•	•	•	•
	170	67	15th	52	12, 17, 18	63·4	52·9	57·8	+ 0·8	6	1·04	27	- 1	Rothesay ..	5·5	—	37	0	48	60·6	•	57·4	+1·8
	90	69	14–16	53	12th	68·0	54·9	61·1	+ 5·1	5	0·54	14	- 10	Kilmarnock ..	4·9	—	33	•	•	60·6	•	57·0	•
	170	68	17th	53	12, 14, 18	66·1	54·0	59·7	+ 3·7	6	0·70	18	- 5	Colmonell ..	•	•	•	0	47	•	•	•	•
	120	70	15th	50	12th	66·6	52·9	59·3	+ 3·4	5	2·03	52	+ 26	Dumfries ..	3·3	—	22	0	47	61·8	•	60·0	•
	160	67	17th	52	18th	64·9	54·4	59·3	+ 1·5	6	1·38	35	+ 13	Eskdalemuir ..	2·3	—	15	0	43	•	•	•	•
	794	65	15, 16	47	15, 18	62·4	50·4	56·0	—	7	2·83	72	—										
b, I. OF MAN	277	64	14, 16, 17	52	18th	63·1	53·6	58·1	+ 1·0	6	1·59	40	+ 18	Douglas	5·0	- 0·9	34	0	51	•	•	•	•
2. ENGLAND, N.E.																							
	210	69	16th	50	18th	66·7	52·3	59·1	+ 2·3	7	1·61	41	+ 23										
	71	68	16th	52	18th	65·1	54·3	59·4	+ 2·1	6	1·81	46	+ 30	Cockle Park ..	4·0	- 1·1	27	0	46	58·1	- 0·2	•	•
	336	71	13th	49	15th	66·6	52·0	58·9	+ 1·5	6	2·14	54	+ 40	Durham ..	3·8	- 1·0	26	•	•	•	•	•	•
a North ..	249	70	12th	49	15th	67·7	52·7	59·8	+ 2·9	7	1·52	39	+ 23	Rounton ..	•	•	•	0	43	60·9	•	•	•
	605	69	13th	49	15th	65·3	53·1	58·8	—	7	1·74	44	—	West Witton ..	•	•	•	0	45	60·0	•	55·6	•
	100	69	16, 17	54	12, 13, 15	67·0	55·3	60·8	+ 2·3	6	0·72	18	+ 2	Scarborough† ..	4·2	- 1·1	28	•	•	•	•	50·1	•
	56	72	13th	52	15th	68·7	55·6	61·8	+ 2·6	7	1·43	36	+ 21	York	5·3	+ 0·5	36	•	•	61·3	+1·1	58·0	+0·5
b, South ..	26	71	12th	56	15th	67·1	57·3	61·9	+ 2·5	7	0·84	21	+ 9	Spurn Head ..	4·9	—	33	•	•	•	•	•	•
	58	73	13th	54	12th	70·0	56·3	62·7	+ 2·9	5	0·56	14	0	Lincoln	•	•	•	•	•	63·6	+1·8	59·4	+1·3
	180	72	12, 13	52	15th	69·9	55·1	62·1	+ 2·5	6	0·46	12	- 3	Rauceby ..	6·1	+ 0·1	41	•	•	63·0	-1·7	59·0	-0·4
														Skegness ..	6·0	- 0·2	41	•	•	•	•	•	•
3. ENGLAND, E.																							
	196	72	14th	53	15th	69·9	54·6	61·8	+ 1·9	5	0·56	14	+ 2	Cromer	6·5	+ 0·2	44	•	•	•	•	•	•
	280	73	13th	52	15th	69·9	53·3	61·1	+ 1·3	5	0·43	11	- 5	Lit. Massingham	5·3	- 0·7	36	0	52	•	•	•	•
	13	71	12, 18	55	13, 15, 16	69·0	56·1	62·2	+ 2·1	3	0·71	18	+ 4	Yarmouth ..	7·5	—	51	0	52	64·0	- 2·3	61·0	-1·6
	93	72	12th	54	15th	70·0	55·6	62·4	+ 2·0	5	0·58	15	+ 2	Norwich ..	6·5	—	45	0	49	63·6	•	•	•
	37	73	13th	53	13, 15, 16	70·7	54·3	62·0	+ 1·9	4	0·24	6	- 6	Geldeston ..	6·8	+ 0·5	47	•	•	•	•	•	•
	41	73	12th	51	15th	70·0	54·7	61·9	+ 1·2	4	0·20	5	- 8	Cambridge ..	6·3	0·0	43	0	47	63·7	+0·2	60·6	-0·1
	54	70	16th	56	16th	68·4	58·3	63·1	+ 2·1	4	0·28	7	- 3	Clacton	7·3	+ 0·2	50	0	53	63·5	+1·1	61·1	+0·2
	424	69	13th	53	17th	67·3	55·3	60·9	+ 1·4	5	0·49	12	- 2	Rothamsted ..	6·1	- 0·1	42	0	45	61·4	•	•	•
	51	73	13th	56	14, 15	70·4	57·4	63·5	+ 2·6	4	0·17	4	—	Tottenham ..	6·8	—	47	0	53	•	•	61·1	-1·1
4. MIDLAND COUNTIES.																							
a North ..	479	68	13th	50	15th	65·4	53·4	59·6	+ 1·4	7	2·41	61	+ 45	Harrogate ..	4·2	- 1·1	29	0	48	59·0	+1·2	57·4	+1·0
	429	70	13th	53	12, 13, 15	67·7	54·6	60·8	—	6	1·07	27	—	Sheffield	5·4	+ 0·2	37	0	47	60·2	+0·1	56·3	+0·1
	987	66	16th	50	18th	64·0	52·4	57·9	+ 2·0	7	2·48	63	+ 39	Buxton	4·4	—	30	0	47	59·8	- 0·1	57·9	+2·5
b, East ..	65	71	12, 13, 15	50	15th	68·9	55·9	62·0	+ 2·5	6	0·80	20	+ 7	Worksop	5·0	+ 0·2	34	0	44	61·2	•	58·0	•
	82	72	13, 15	50	15th	69·3	54·6	61·5	+ 1·9	5	0·64	16	+ 2	Nottingham ..	5·4	- 0·2	37	0	46	62·2	+0·8	59·9	+0·2
	535	69	12, 13, 15	52	15th	67·3	54·3	60·4	+ 1·0	5	0·83	21	+ 6	Birmingham ..	5·1	+ 0·3	35	0	48	56·6	- 1·1	53·9	- 0·4
	203	73	13th	52	15th	70·7	54·1	61·9	+ 1·4	6	0·69	17	+ 2	Raunds	•	•	•	0	43	63·4	•	57·8	•
	208	70	13th	54	12th	68·4	56·0	61·8	+ 1·1	5	0·53	13	0	Oxford	6·4	+ 0·3	44	0	51	•	•	•	•
c, West ..	646	71	15th	49	15th	68·1	52·7	59·9	+ 2·1	5	1·20	31	+ 12	Cheadle	•	•	•	0	46	•	•	•	•
	191	71	12th	48	15th	68·6	53·9	60·8	+ 1·6	7	0·90	23	+ 7	Shrewsbury ..	•	•	•	0	40	•	•	•	•
	291	70	15, 16	50	15th	67·7	54·0	60·4	+ 0·7	5	0·93	24	+ 10	Malvern§ ..	5·4	—	37	0	44	62·8	•	60·7	•
	229	70	12, 13	55	12, 15	68·6	56·6	62·2	+ 0·4	6	0·76	19	- 5	Clifton	5·2	—	36	0	53	•	•	•	•
5. ENGLAND, S.E.																							
	424	70	16th	52	16th	67·4	54·0	60·3	+ 1·9	6	0·50	13	- 2	Worthing	8·2	+ 0·9	57	0	55	66·0	+0·7	61·1	-0·3
	180	70	13, 16	50	13th	68·6	53·7	60·7	+ 0·4	4	0·89	23	+ 7	Marlborough ..	6·2	+ 0·4	43	0	47	60·7	•	57·8	•
	150	71	13th	52	13th	69·7	55·4	62·1	+ 1·5	7	0·48	12	0	Salisbury	•	•	•	0	50	64·9	•	•	•
	354	70	16th	52	16th	67·7	55·3	61·1	+ 0·8	5	0·57	14	0	Wisley	8·0	+ 1·5	56	0	46	63·9	+0·4	60·0	-1·0
	53	70	12–14, 18	56	15, 17	69·3	57·3	62·9	+ 1·0	3	0·11	3	- 8	Tunbridge Wells	6·4	- 0·3	44	0	44	63·2	- 1·4	60·6	•
														Margate	8·3	+ 1·9	58	0	52	65·5	+2·1	63·7	+3·3
	21	68	14th	57	16th	66·4	59·1	62·5	+ 1·2	2	0·17	4	- 7	Dover	7·9	—	55	0	49	•	•	•	•
	178	69	16th	54	16th	66·7	56·9	61·5	+ 0·2	4	0·35	9	- 5	St. Leonards ..	6·7	- 0·4	47	0	52	65·9	•	61·3	•
	64	71	18th	56	15th	68·1	57·7	62·6	+ 0·5	5	0·81	21	+ 6	Southampton ..	6·5	- 0·4	45	0	52	•	•	•	•
	59	67	12–17	58	12, 15, 18	66·9	58·6	62·5	+ 0·4	4	0·35	9	- 3	Ventnor	7·6	+ 0·7	53	•	•	•	•	•	•
LONDON.	18	70	12–16, 18	54	12th	69·6	56·1	62·5	+ 1·2	5	0·55	14	+ 1	Richmond ..	7·7	+ 1·4	53	0	45	63·3	+0·1	59·5	+0·3
	27	72	13th	56	16th	70·7	57·9	63·9	+ 1·7	5	0·37	9	- 4	Westminster ..	7·6	+ 1·9	53	0	53	•	•	•	•
ag	155	73	12, 13	54	13–15	71·9	55·3	63·1	+ 1·1	6	0·67	17	+ 5	Greenwich ..	8·6	+ 1·7	60	0	44	•	•	•	•
	450	69	12, 13, 18	52	16th	67·7	54·2	60·6		6	0·36	9	—	Hampstead ..	6·0	—	42	0	43	•	•	•	•
ag	110	76	13th	54	16th	74·0	56·4	64·7	+ 1·9	6	0·20	5	- 8	Camden Square	7·1	+ 1·7	49	0	52	•	•	•	•
7. a, ENGLAND, N.W.																							
	487	66	13th	51	18th	63·0	53·4	57·9	+ 0·4	6	1·40	36	+ 13	Aspatria	2·4	- 2·7	16	0	49	58·9	•	56·3	•
	559	67	15th	50	15th	64·0	52·6	58·0	+ 1·4	7	1·67	43	+ 24	Newton Rigg ..	2·7	- 2·4	18	0	45	60·1	- 0·1	56·8	+0·1
	377	69	13th	53	13, 18	65·1	54·4	59·4	+ 1·8	7	2·02	51	+ 24	Stonyhurst ..	4·2	- 0·8	29	0	48	•	•	•	•
	66	68	12, 13	52	15th	65·9	55·1	60·2	+ 1·6	6	2·83	72	+ 53	Blackpool ..	5·6	- 0·4	38	0	42	61·3	•	57·1	•
	37	70	12th	53	15, 18	66·3	54·9	60·3	+ 1·5	5	2·23	57	+ 39	Southport ..	5·0	- 0·9	34	0	48	62·8	- 0·8	61·9	- 0·5
														Hoylake ..	4·7	- 0·9	32	•	•	•	•	•	•
	188	70	12, 13	53	15, 18	66·1	54·7	60·1	+ 0·8	5	1·90	48	+ 32	Liverpool ..	4·0	—	27	0	48	•	•	•	•
	22	71	12th	53	18th	68·7	55·4	61·7	+ 1·6	5	2·51	64	+ 49	Manchester(City)	3·5	- 0·5	24	0	49	63·0	+1·5	62·2	+2·8
	125	71	13th	53	15th	68·4	56·0	61·8	+ 2·1	7	2·13	54	+ 36	Whitworth Park	4·1	- 0·1	28	•	•	•	•	•	•
b, NORTH WALES.																							
	16	67	12, 16	53	15, 18	65·4	55·4	60·1	+ 0·4	4	1·19	30	+ 14	Llandudno ..	5·2	- 0·7	35	•	•	•	•	•	•
	15	66	15th	52	18th	64·1	54·6	59·1	+ 0·5	6	2·88	73	+ 56	Holyhead ..	5·6	—	38	0	51	•	•	•	•
	148	67	13, 14, 16	49	15th	65·7	52·6	58·8	+ 0·7	7	2·89	73	—	Bettws-y-Coed.	4·1	—	28	•	•	57·9	- 0·5	55·0	- 0·5
	22	66	13th	53	18th	64·7	56·9	60·6	—	5	2·72	69	—	Aberdovey ..	4·1	- 1·7	28	•	•	•	•	•	•

† Earth temperature at 3½ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	67	13th	54	18th	64·4	56·6	60·3	—	6	3·34	85	—	Aberystwyth ..	3·8	− 1·9	28	*	*	*	*	*	*
a Rhayader	767	65	12th	50	15th	63·0	53·4	57·9	—	7	2·34	59	—	Rhayader ..	4·0	—	27	0	45	*	*	*	*
a St. Ann's Head	149	63	13–16	50	18th	62·3	56·1	59·0	+ 0·2	5	2·45	62	+ 45	St, Ann's Head	6·2	− 0·2	42	*	*	*	*	*	*
p Cardiff	202	68	15th	54	15, 16	66·3	56·3	61·0	+ 1·3	6	0·95	24	+ 2	Cardiff	5·1	—	35	0	47	63·2	+0·1	59·6	−0·3
b, ENGLAND, S.W.																							
a Bath	66	70	16th	53	15th	68·4	56·6	62·2	+ 1·9	6	0·98	25	+ 10	Bath	*	*	*	*	*	64·4	0·0	61·7	0·0
a Shaftesbury	722	68	12th	50	13th	65·6	53·4	59·1	0·0	5	0·47	12	− 3	Shaftesbury ..	*	*	*	*	*	61·2	*	59·0	*
a Arlington	613	67	16th	52	18th	64·6	53·9	58·9	+ 0·7	5	0·97	25	− 2										
a Newquay	190	68	12th	54	12, 14	66·3	55·6	60·6	+ 0·5	5	0·63	16	+ 2	Newquay ..	7·7	+ 1·0	53	*	*	62·9	*	59·4	*
a Cullompton	202	71	12th	50	12, 15	68·9	53·7	60·8	+ 1·0	7	0·44	11	− 5	Cullompton ..	4·5	− 1·5	31	0	44	61·7	*	*	*
a Portland Bill	19	64	13th	57	12, 14, 16	62·6	57·7	60·0	− 0·7	4	0·20	8	− 3	Weymouth ..	6·9	—	48	*	*	*	*	*	*
p Plymouth	116	69	12, 16	56	18th	67·0	57·9	62·2	+ 1·6	5	0·31	8	− 8	Plymouth ..	6·3	− 0·3	44	0	51	63·8	−1·1	60·1	*
a Falmouth	167	68	12, 14, 16	54	15, 18	66·7	55·1	60·6	+ 0·6	5	0·48	12	− 5	Falmouth ..	6·5	− 0·5	45	0	50	63·5	*	61·7	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	67	13th	53	14, 17	63·0	54·0	58·2	+ 1·2	7	1·57	40	+ 21	Malin Head ..	6·2	—	42	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	64	12th	51	17th	62·6	53·4	57·7	− 0·1	7	1·73	44	+ 20	Markree Castle	4·6	0·0	31	0	38	61·6	*	57·4	*
{ *p* Markree Castle ..	122	68	13, 17, 18	43	18th	66·4	49·7	57·6	+ 0·9	7	1·53	39	+ 16										
b, East .. { *p* Armagh	196	69	17th	50	18th	66·3	52·4	58·9	+ 1·5	7	0·63	16	− 3	Armagh	4·6	− 0·1	31	0	48	59·8	−1·8	56·9	−1·6
{ *a* Donaghadee	101	68	17th	51	18th	65·3	53·3	58·9	+ 1·4	7	0·64	16	− 2										
10. IRELAND, S.																							
p Dublin, City	47	68	12, 15	54	14, 16, 18	66·6	55·1	60·5	+ 1·2	6	1·04	26	+ 9	Dublin City ..	*	*	*	0	50	*	*	*	*
a Birr Castle	175	67	15th	51	13th	65·4	53·3	59·0	+ 1·2	7	1·15	29	+ 8	Trinity Coll. ..	*	*	*	*	*	62·2	+0·7	58·9	+0·2
a Kilkenny	212	70	15th	50	14, 18	66·9	53·0	59·5	+ 1·4	6	1·51	38	+ 19	Phœnix Park ..	5·7	+ 0·2	39	0	44	*	*	*	*
a Waterford	20	68	15th	53	13th	65·4	54·9	59·8	+ 0·7	7	2·29	58	+ 37	Birr Castle ..	5·0	+ 0·2	34	0	45	*	*	*	*
a Seskin, Carrick-on-Suir	541	67	15, 16	50	18th	65·4	52·1	58·4	—	7	0·90	23	—	Seskin	5·0	—	34	0	45	*	*	*	*
a Cahir	199	70	16th	47	18th	65·9	51·9	58·5	+ 0·1	—	—	—	—										
a Foynes	50	67	13th	51	13th	64·9	54·4	59·3	+ 0·9	7	1·17	30	+ 9										
a Cahirciveen (Val. Obs.)	30	70	13th	52	14th	64·9	56·0	60·2	+ 1·5	7	1·39	35	+ 9	Cahirciveen ..	6·0	+ 0·7	41	0	49	*	*	*	*
a Killarney	174	74	13th	50	14th	68·1	54·1	60·7	+ 1·8	7	2·55	65	+ 41	Ballinacurra ..	5·3	+ 0·1	37	*	*	*	*	*	*
a Roche's Point	32	68	15th	53	18th	66·0	55·4	60·4	+ 1·5	7	1·41	36	+ 15										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	14, 16	54	15, 18	65·1	55·7	60·1	− 0·8	7	0·84	21	+ 7	Scilly	7·5	+ 0·2	52	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	70	17th	56	16th	67·7	58·3	62·7	− 0·2	5	0·84	21	+ 8	St. Heliers ..	7·9	0·0	55	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	70	17th	56	12, 13	67·3	57·4	62·1	− 0·3	6	0·96	25	+ 12	Guernsey† ..	8·6	+ 0·6	60	0	52	63·4	−1·7	61·5	−0·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 18th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	m/s.	Mid Time. day.	hr.	Highest Gust. Speed. m/s.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.								
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	20	116	32	0	E	7	11	20	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	64	104	0	—	5	17	8	11	13	15	30
Aberdeen	153	105	52	—	—	—	—	4	109	39	16	S. by W.	6	17	11	12	18	15	30
Edinburgh	485	39	31	—	—	—	—	20	103	45	0	SSW.	7	17	9	12	17	10	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	17	2	54	64	48	0	SSW.	11	17	9	16	17	8	30
Paisley	188	81	52	—	—	—	—	1	101	56	10	SW. by W.	6	17	9	16	18	14	45
																	17	9	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	84	72	12	SSE.	5	14	13	13	18	14	0
South Shields	72	61	12	—	—	—	—	12	91	65	0	SW by S.	7	17	9	13	17	8	50
Spurn Head	66	40	‡	—	—	18	1	73	90	4	0	—	11	18	9	16	18	9	0
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	31	110	2	25	SSE.	9	14	11	—	—	—	—
Gorleston	52	42	‡	—	—	14, 17, 18	9	68	89	2	0	—	12	18	8	18	18	9	55
Shoeburyness	103	90	‡	—	—	17, 18	5	89	73	1	0	SW. by S.	12	17	13	15	17	13	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	60	98	10	0	S. by W.	10	17	15	18	17	14	55
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	12, 18	4	80	57	9	18	—	12	18	9	17	18	8	45
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—
Brighton	281	53	6	—	—	—	—	34	67	4	13	—	9	18	6	15	18	6	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	32	123	13	0	SSW.	8	17	15	15	17	12	50
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	11	67	69	21	SW. by W.	6	18	13	11	18	14	35
Fleetwood (Cup Anr.) ..	109	44	—	—	—	18	1	84	80	3	0	NW.	11	18	6	—	—	—	—
Southport	80	62	48	—	—	16, 18	16	81	70	1	0	S.W. by W.	14	18	20	19	18	20	5
Holyhead	60	40	‡	—	—	17	2	124	40	2	0	SW. by S.	11	17	7	18	18	18	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	12, 17, 18	25	83	57	0	3	SSW.	17	17	24	22	17	12	15
Plymouth	185	88	2	—	—	17, 18	4	72	78	14	0	-	14	18	2	19	18	1	55
Lyme Regis	556	61	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	70	91	7	0	S.W. by W.	11	18	17	—	—	—	—
Quilty	100	40	‡	—	—	18	7	96	65	0	0	—	12	18	19	18	18	8	35
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	43	114	11	0	W. by S.	9	18	13	15	18	2	0
Weaver Pt.	160	30	‡	—	—	—	—	47	99	22	0	—	11	16	23	18	16	22	50
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	—	—	63	102	3	0	SSW.	9	17	23	19	17	23	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.

** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-THIRD WEEK of 1917—August 12th to August 18th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	72	47	90·4	84·3	87·2	+ 1·6	109	+ 20	0	0	6	+ 1	1·56	40	+ 17	3·7	+0·3	24	1002
Eastern.																			
1. SCOTLAND, EAST ...	72	46	91·2	83·6	87·2	+ 1·0	109	+ 13	0	0	6	+ 2	1·50	38	+ 19	3·7	−1·0	25	1002
2. ENGLAND, N.E.	73	49	92·8	85·5	88·9	+ 1·3	131	+ 17	0	0	6	+ 2	1·23	31	+ 16	4·9	−0·3	33	1004
3. ENGLAND, EAST ...	73	51	93·8	86·1	89·7	+ 1·0	141	+ 13	0	0	4	+ 1	0·41	10	− 2	6·6	+0·3	45	1008
4. MIDLAND COUNTIES ...	73	48	93·2	85·6	89·1	+ 0·9	133	+ 12	0	0	6	+ 3	0·97	25	+ 11	5·2	−0·3	36	1007
5. ENGLAND, S.E.	71	50	93·0	86·6	89·6	+ 0·4	139	+ 5	0	0	5	+ 2	0·48	12	− 1	7·4	+0·6	51	1009
Western.																			
6. SCOTLAND, WEST ...	70	48	91·4	85·0	88·0	+ 1·2	119	+ 14	0	0	6	+ 2	1·29	33	+ 8	4·3	−0·9	28	1003
7. ENGLAND, N.W.	71	49	91·7	85·6	88·4	+ 0·7	125	+ 10	0	0	6	+ 2	2·17	55	+ 36	4·1	−1·2	28	1004
8. ENGLAND, S.W.	71	50	91·6	86·0	88·7	+ 0·4	127	+ 4	0	0	6	+ 2	0·97	25	+ 7	5·6	−0·8	39	1007
9. IRELAND, NORTH ...	69	43	91·2	84·5	87·7	+ 0·6	115	+ 8	0	0	7	+ 2	1·21	31	+ 10	4·6	−0 1	31	1002
10. IRELAND, SOUTH ...	74	47	91·9	85·3	88·4	+ 0·6	125	+ 9	0	0	7	+ 3	1·56	40	+ 19	5·5	+0·3	38	1005
11. ENGLISH CHANNEL ...	70	54	92·3	86·9	89·4	− 0·2	137	− 2	0	0	6	+ 2	0·88	22	+ 8	8·0	+0·3	56	1010

THE SEASON (Summer).—Aggregates, &c., for the Period of 11 Weeks, June 3rd to August 18th, 1917.

0. SCOTLAND, NORTH ...	81	33	89·8	82·6	86·0	+ 0·7	1032	+ 98	0	− 1	40	− 7	7·06	178	− 29	6·1	+1·7	36	1014
Eastern.																			
1. SCOTLAND, EAST ...	84	29	91·1	82·0	86·2	+ 0·1	1072	+ 30	3	+3	32	− 9	6·51	166	− 4	6·1	+0·8	36	1014
2. ENGLAND, N.E.	87	35	92·4	83·7	87·8	+ 0·6	1280	+ 91	0	0	35	− 1	6·05	152	+ 4	6·2	+0·3	38	1015
3. ENGLAND, EAST ...	93	40	93·8	85·0	89·1	+ 0·9	1468	+132	0	0	35	+ 1	7·73	197	+ 62	6·9	+0·3	43	1015
4. MIDLAND COUNTIES ...	89	36	93·7	83·9	88·5	+ 0·6	1374	+ 84	0	0	35	+ 1	7·11	181	+ 34	5·9	0·0	37	1015
5. ENGLAND, S.E.	90	36	93·5	85·1	89·0	+ 0·4	1451	+ 62	0	0	35	+ 3	9·40	238	+110	6·8	−0·2	43	1015
Western.																			
6. SCOTLAND WEST ...	81	32	91·7	83·1	87·1	+ 0·5	1184	+ 64	0	0	34	− 8	7·33	187	− 29	6·6	+0·8	40	1015
7. ENGLAND, N.W.	82	36	92·3	84·1	87·9	+ 0·5	1293	+ 73	0	0	32	− 7	6·92	177	− 7	6·9	+0·9	42	1015
8. ENGLAND, S.W.	86	35	92·1	84·5	88·1	+ 0·3	1318	+ 30	0	0	38	0	8·15	209	+ 33	6·6	+0·1	42	1016
9. IRELAND, NORTH ...	76	32	90·9	83·4	86·9	+ 0·3	1157	+ 36	0	0	46	− 2	8·25	210	+ 10	5·8	+0·9	36	1014
10. IRELAND, SOUTH ...	77	40	92·0	84·2	87·9	+ 0·4	1293	+ 46	0	0	44	+ 3	8·30	210	+ 14	5·8	+0·3	37	1015
11. ENGLISH CHANNEL ...	83	48	92·4	86·0	89·0	+ 0·4	1450	+ 51	0	0	35	− 1	6·10	156	+ 22	7·4	−0·4	48	1017

THE YEAR 1917.—Aggregates, &c., for the Period of 33 Weeks, December 31st, 1916, to August 18th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·4	77·3	80·2	− 0·3	1367	− 9	684	+145	139	−12	21·24	539	−198	3·9	+0·3	29	1014
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	83·9	76·3	79·9	− 0·9	1447	−109	884	+267	112	−17	16·18	414	− 49	4·2	0·0	31	1014
2. ENGLAND, N.E.	87	5	84·6	77·5	80·9	− 0·7	1767	+ 5	781	+309	115	− 1	15·19	386	+ 16	4·2	−0·4	32	1015
3. ENGLAND, EAST ...	93	5	85·5	78·0	81·6	− 0·6	2060	+ 26	786	+292	109	− 3	15·58	398	+ 47	4·7	−0·3	36	1015
4. MIDLAND COUNTIES ...	89	4	85·6	77·4	81·3	− 0·8	1996	− 16	831	+309	105	− 6	16·69	426	+ 31	4·0	−0·4	30	1015
5. ENGLAND, S.E.	90	4	85·7	78·4	81·9	− 0·9	2082	− 75	693	+314	101	− 7	18·28	465	+ 88	4·8	−0·4	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·6	77·6	80·9	− 0·7	1658	− 52	663	+247	113	−23	20·06	511	−162	4·3	−0·1	32	1015
7. ENGLAND, N.W.	82	5	84·8	78·0	81·3	− 0·8	1828	− 17	703	+321	105	−17	17·89	457	− 46	4·6	+0·1	35	1015
8. ENGLAND, S.W.	86	4	85·2	78·4	81·7	− 1·0	1926	−110	619	+318	109	−12	19·67	500	− 40	5·0	+0·1	38	1016
9. IRELAND, NORTH ...	76	7	84·6	78·2	81·3	− 0·7	1683	− 91	536	+196	134	−16	20·39	521	− 44	4·0	0·0	30	1015
10. IRELAND, SOUTH ...	77	9	85·7	78·8	82·1	− 0·7	1993	− 66	501	+241	127	− 4	20·38	519	− 73	4·4	−0·1	33	1016
11. ENGLISH CHANNEL ...	83	22	85·8	80·3	82·9	− 1·0	2163	−159	347	+242	111	−14	17·10	435	− 4	5·6	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm	mm	hr.	hr.	%	mb

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: August 23rd, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 133

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 34.

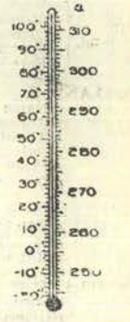
THE THIRTY-FOURTH WEEK OF 1917.

SUNDAY, AUGUST 19TH, TO SATURDAY, AUGUST 25TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Pressure was high to the southward of the British Isles throughout the week. A shallow depression which was off the north coast of Scotland on the 19th soon passed away to the north-east, but was followed by a rather deeper disturbance, which caused showery weather as it skirted our north-west coasts during the latter half of the week. The wind blew mainly from some point between South and West, and became rather strong on the 24th and 25th.



The temperature of the sea differed only slightly from the average except at Lerwick, where it was still about 1 a. above the normal. The temperature of the air was somewhat high, more particularly in Scotland and England N.E., where the excess amounted to 1 a. The highest reading of the week was 298 a., which occurred on the 22nd in London (Westminster) and at Lincoln. The lowest readings, 278–279 a., were registered on the 20th in the west of Scotland.

Rainfall was above the normal in Ireland, Scotland and on the western Coast of England, the excess amounting to 100 per cent. at many places. There was a marked deficiency, however, over the eastern half of England and in the Channel Islands.

Sunshine was below the normal generally in Scotland and Ireland. At Crathes, Kincardineshire, the duration was only 50 per cent. of the normal. In the eastern portion of England, where the rainfall was scanty, the sunshine was from 20 per cent. to 30 per cent. above the normal.

A certain amount of thunderstorm activity took place in England on the 22nd and 23rd, generally without much rain accompanying it, and there was a little on the 19th, 20th and 21st, mainly in Scotland and Ireland. On the night of the 22nd nearly all stations in the south and east of England reported lightning, but no thunder, Tottenham and Westbourne (Sussex) describing it as vivid.

There was a display of aurora at Dundee on the 21st, and parhelia were seen at Dublin on the 24th. Solar halos were reported on the 20th and 21st at Oxford, and on the 22nd at Greenwich.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	4·0	26	3·7	23	3·8	24	4·1	24	5·7	13	5·4	25	5·5	23	4·5
North	4	1·7	1	1·1	2	2·4	3	0·4	2	1·3	11	2·3	0	—	1	1·0
West	11	3·9	16	5·1	21	2·9	22	3·3	23	5·9	24	6·0	16	6·5	15	6·3
East	14	4·6	8	2·1	5	3·2	1	2·4	1	2·0	0	—	1	2·0	9	1·0
Calm	2	—	1	—	0	—	1	—	0	—	0	—	1	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Heavy	Moderate	Light	Light	Moderate	Light	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Scanty	Scanty	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Scanty	Scanty	Scanty	Abundant

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 12 weeks from June 3rd, 1917.	Warmth ...	8, 3, 1	4, 6, 2	8, 1, 3	8, 1, 3	8, 1, 3	4, 4, 4	6, 4, 2	5, 6, 1	3, 7, 2	5, 5, 2	6, 4, 2	5, 6, 1
	Rainfall ...	4, 3, 5	4, 3, 5	3, 4, 5	3, 4, 5	5, 4, 3	3, 6, 3	6, 1, 5	2, 5, 5	4, 7, 1	3, 5, 4	3, 8, 1	5, 5, 2
	Sunshine ...	7, 4, 1	5, 3, 4	4, 6, 2	5, 5, 2	4, 5, 3	3, 7, 2	5, 5, 2	5, 4, 3	3, 6, 3	4, 4, 4	3, 6, 3	3, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(13072—19.) Wt. 153—442. 450. 8/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Mean for the Week. Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Readings	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands..	54	63	22nd	46	21st	60·4	51·7	55·8	+ 3·4	6	0·72	18	+ 2										
	180	61	21,22	49	19th	59·3	51·6	55·2	—	5	0·67	17	+ 4	Deerness ..	2·8	- 1·1	19	•	•	•	•	•	•
	51	64	23rd	47	20th	60·7	52·0	56·1	+ 2·1	7	1·57	40	+ 18	Stornoway ..	3·1	- 1·2	21	•	•	•	•	•	•
	37	62	21st	52	19, 20	59·7	53·7	56·5	+ 2·1	7	0·99	25	—	Castlebay ..	3·1	—	21	•	•	•	•	•	•
b, Mainland.	81	62	25th	45	19th	58·9	50·6	54·5	+ 0·6	5	0·48	12	- 3	Fort Augustus..	2·4	- 0·9	16	•	•	•	•	•	•
	200	—	—	—	—	—	—	—	—	—	—	—	—										
	500	64	23rd	47	19th	59·7	50·7	54·9	+ 1·0	6	2·64	67	+ 28										
	88	68	21st	51	20, 25	62·6	53·6	57·8	+ 2·3	6	0·80	20	+ 1										
	171	65	21st	49	20th	61·3	52·6	56·7	+ 0·7	7	2·65	67	+ 33										
1. SCOTLAND, E.																							
	82	70	21st	46	19th	64·2	51·6	57·9	+ 2·3	7	1·31	33	+ 19	Nairn	3·0	—	20	•	•	•	•	•	•
	101	71	21st	48	19th	65·3	50·7	57·6	+ 1·8	4	0·69	18	0	Gordon Castle..	3·4	—	23	•	•	•	•	•	•
	46	67	25th	48	19th	63·3	52·1	57·4	+ 1·7	6	0·48	12	- 3	Aberdeen ..	3·2	- 1·6	22	0	40	•	•	55·3	+1·1
	930	67	21st	38	19th	62·7	45·3	53·5	+ 0·6	5	0·69	18	+ 1	Balmoral ..	•	•	•	0	34	•	•	•	•
	432	67	21st	44	20th	63·6	49·4	56·1	- 0·5	6	1·57	40	+ 17	Crathes	2·2	- 2·2	15	0	35	57·9	•	56·0	+0·3
	244	69	21,22	47	19, 20	65·7	50·0	57·4	—	6	0·85	22	+ 4	Dundee	4·0	—	27	0	41	57·3	•	•	•
	18	67	21, 23	50	20th	65·0	53·6	59·0	+ 1·3	7	0·35	9	- 6	Leith	•	•	•	0	47	•	•	•	•
	441	66	21-23	49	20th	63·9	53·1	58·2	—	4	0·20	5	- 10	Edinburgh ..	4·3	- 0·4	30	0	45	•	•	•	•
	769	63	23rd	46	20th	60·6	50·4	55·2	+ 2·0	6	0·94	24	—	West Linton ..	3·1	—	22	0	40	•	•	•	•
	498	67	23rd	44	20th	64·6	49·0	56·3	+ 0·8	6	0·76	19	+ 1	Marchmont ..	5·3	+ 0·6	37	0	38	•	•	•	•
6. a, SCOTLAND, W.																							
	149	66	20th	41	20th	61·3	52·3	56·5	—	7	4·98	126	—	Ford (Argyll) ..	•	•	•	0	32	61·0	•	58·5	•
	180	66	21st	49	20th	62·7	54·0	58·1	+ 1·8	6	0·66	17	- 6	Glasgow.. ..	3·6	- 0·3	25	0	46	•	•	•	•
	176	64	20th	43	20th	61·0	51·3	55·9	- 0·5	7	2·52	64	+ 35	Rothesay ..	2·8	—	19	0	42	60·0	•	57·3	+1·3
	90	67	20th	46	20th	64·4	53·6	58·7	+ 3·3	7	1·02	26	+ 1	Kilmarnock ..	2·6	—	18	•	•	58·9	•	56·7	•
	170	67	20th	43	20th	63·6	52·9	57·9	+ 2·4	6	1·42	36	+ 12	Colmonell ..	•	•	•	0	36	•	•	•	•
	120	66	20, 21	42	20th	64·0	51·1	57·2	+ 1·9	7	1·99	51	+ 24	Dumfries ..	4·6	—	32	0	37	60·9	•	59·9	•
	160	65	19, 20, 24	45	20th	63·7	52·9	58·0	+ 0·9	6	1·68	43	+ 21	Eskdalemuir ..	4·1	—	28	0	36	•	•	•	•
	794	64	22nd	41	20th	61·3	48·3	54·4	—	6	2·60	66	—										
b. I. OF MAN	277	65	19th	50	20th	61·9	52·9	57·1	+ 0·5	7	1·49	38	+ 15	Douglas	4·5	- 1·0	31	0	46	•	•	•	•
2. ENGLAND, N.E.																							
	210	70	23rd	46	21st	66·6	50·4	58·0	+ 1·6	6	0·44	11	- 10										
	71	69	23rd	50	20th	65·3	52·9	58·7	+ 1·8	5	0·43	11	- 7	Cockle Park ..	4·5	- 0·2	31	0	45	56·3	0·0	•	•
	336	71	22nd	45	20th	66·7	50·7	58·2	+ 1·2	6	0·33	8	- 8	Durham ..	5·5	+ 1·1	38	•	•	•	•	•	•
a North ..	249	73	22nd	46	20th	67·1	54·3	58·7	+ 2·2	6	0·54	14	- 4	Rounton ..	•	•	•	0	39	60·1	•	•	•
	605	71	22nd	44	20th	65·0	50·9	57·5	—	6	0·70	18	—	West Witton ..	•	•	•	0	38	59·5	•	55·8	•
	100	69	24th	50	23rd	67·0	52·6	59·4	+ 1·1	5	0·49	12	- 6	Scarborough† ..	6·4	+ 1·5	45	•	•	•	•	50·7	•
	56	75	22nd	50	20th	68·9	53·0	60·5	+ 1·8	5	0·34	9	- 7	York	5·4	+ 0·9	38	•	•	60·7	+1·3	58·2	+0·6
b, South ..	28	71	21-23	54	20, 21	68·3	56·9	62·3	+ 3·2	3	0·12	3	- 11	Spurn Head ..	7·0	—	49	•	•	•	•	•	•
	58	77	22nd	50	20th	69·0	53·9	61·0	+ 1·7	3	0·26	7	- 9	Lincoln	•	•	•	•	•	63·1	+2·7	59·9	+1·8
	180	75	22nd	49	20th	69·1	53·6	60·9	+ 1·7	5	0·22	6	- 11	Rauceby ..	7·6	+ 2·1	54	•	•	61·9	-0·7	59·0	-0·4
														Skegness ..	7·0	+ 1·3	49	•	•	•	•	•	•
3. ENGLAND, E.																							
	196	75	22nd	49	20th	69·1	53·6	60·9	+ 1·3	4	0·11	3	- 10	Cromer	7·1	+ 1·5	50	•	•	•	•	•	•
	280	76	22nd	47	20th	69·3	51·3	59·8	+ 0·6	4	0·16	4	- 14	Lit. Massingham	6·4	+ 1·1	45	0	47	•	•	•	•
	13	72	23rd	50	20th	68·4	55·0	61·3	+ 1·6	4	0·31	8	- 8	Yarmouth ..	8·0	—	57	0	48	63·9	-0·2	61·1	-1·2
	93	75	22nd	49	20th	69·7	54·4	61·6	+ 1·8	4	0·30	8	- 8	Norwich ..	7·5	—	53	0	44	63·2	•	•	•
	37	74	22nd	47	20th	71·0	53·0	61·5	+ 1·9	3	0·18	5	- 9	Gelderston ..	8·3	+ 2·7	59	•	•	•	•	•	•
	41	76	22nd	48	20th	69·7	54·3	61·5	+ 1·4	3	0·19	5	- 10	Cambridge ..	8·1	+ 2·5	57	0	42	63·2	+1·1	60·8	+0·3
	54	70	19th	52	20th	68·0	57·0	62·2	+ 1·7	3	0·20	5	- 7	Clacton	7·9	+ 1·5	56	0	48	63·0	+1·5	61·3	+0·7
	424	74	22nd	46	20th	67·4	52·3	59·4	+ 0·5	4	0·30	8	- 8	Rothamsted ..	7·4	+ 1·9	53	0	39	60·7	•	•	•
	51	77	22nd	52	20th	70·1	55·0	62·1	+ 1·9	3	0·30	8	—	Tottenham ..	8·0	—	57	0	47	•	•	61·1	-1·2
4. MIDLAND COUNTIES.																							
a North ..	479	72	22nd	48	20th	65·9	51·0	58·6	+ 1·1	6	0·64	16	- 2	Harrogate ..	5·7	+ 0·7	40	0	43	57·9	+1·1	57·2	+1·1
	429	74	22nd	51	20, 24	67·4	53·0	59·8	—	5	0·44	11	—	Sheffield.. ..	6·9	+ 2·1	48	0	47	60·1	+1·3	58·7	+0·9
	987	69	22nd	49	20, 21, 25	62·6	50·6	56·2	+ 0·9	7	0·95	24	- 5	Buxton	5·9	—	41	0	44	58·8	+0·3	57·7	+2·2
b, East ..	65	75	22nd	47	20th	69·4	53·6	61·0	+ 2·2	4	0·17	4	- 11	Worksop ..	5·9	+ 1·4	41	0	39	60·7	•	58·1	•
	82	74	22nd	48	20th	68·1	53·1	60·2	+ 1·3	6	0·41	10	- 6	Nottingham ..	5·9	+ 0·8	42	0	42	61·4	+1·8	60·0	+0·6
	535	72	22nd	49	20th	65·3	52·1	58·3	- 0·4	4	0·62	16	- 1	Birmingham ..	5·9	+ 1·5	42	0	43	56·0	-0·6	53·9	-0·7
	203	76	22nd	46	20th	70·4	52·3	60·8	+ 1·0	3	0·36	9	- 8	Raunds	•	•	•	0	35	63·5	•	58·1	•
	208	74	22nd	51	20th	67·6	53·9	60·3	+ 0·3	5	0·55	14	- 1	Oxford	6·1	+ 0·4	43	0	43	•	•	•	•
c, West ..	616	71	22nd	46	20th	65·6	51·1	57·9	+ 0·7	7	0·48	12	- 10	Cheadle	•	•	•	0	43	•	•	•	•
	191	72	22nd	48	20th	67·6	52·3	59·5	+ 1·0	7	0·59	15	- 3	Shrewsbury ..	•	•	•	0	40	•	•	•	•
	291	70	20, 22	47	20th	66·7	52·3	59·1	+ 0·1	6	0·70	18	+ 2	Malvern§ ..	6·5	—	46	0	38	61·7	•	60·5	•
	229	71	22nd	54	24th	67·0	56·3	61·3	+ 0·2	4	0·60	15	- 13	Clifton	6·3	—	45	0	52	•	•	•	•
5. ENGLAND, S.E.																							
	424	73	22nd	46	20th	67·4	51·9	59·2	+ 1·5	5	0·55	14	- 3	Worthing	8·9	+ 2·2	64	0	49	65·4	+1·6	61·8	+0·4
	189	73	22nd	44	20th	67·4	50·1	58·2	- 1·4	4	0·46	12	- 5	Marlborough ..	5·6	+ 0·3	40	0	42	60·1	•	57·6	•
	150	76	22nd	48	20th	70·3	53·4	61·3	+ 1·5	3	0·27	7	- 7	Salisbury	•	•	•	0	43	64·1	•	•	•
	354	72	22nd	47	20th	67·6	53·3	60·0	+ 0·2	5	0·59	15	0	Wisley	8·3	+ 2·4	59	0	38	63·1	+1·0	60·1	-0·7
	53	76	22nd	53	20th	69·4	56·3	62·5	+ 1·1	4	0·13	3	- 10	Tunbridge Wells	6·6	+ 0·4	47	0	39	62·4	-0·8	60·7	•
														Margate	8·5	+ 2·6	60	0	47	64·7	+2·5	63·7	+3·3
	21	71	22nd	57	20th	66·6	59·1	62·6	+ 1·8	3	0·20	5	- 8	Dover	9·2	—	66	0	40	•	•	•	•
	178	71	22nd	52	20th	66·6	56·0	61·3	+ 0·5	3	0·39	10	- 5	St. Leonards ..	8·3	+ 1·8	59	0	48	65·3	•	61·9	•
	64	75	22nd	50	20th	68·4	54·7	61·1	- 0·4	3	0·62	16	- 1	Southampton ..	7·5	+ 1·2	54	0	42	•	•	•	•
	59	71	22nd	55	20th	66·9	57·9	62·1	+ 0·4	2	0·19	3	- 11	Ventnor	9·2	+ 2·8	66	•	•	•	•	•	•
LONDON.	18	75	22nd	51	20th	70·9	54·9	62·0	+ 1·5	3	0·20	5	- 9	Richmond ..	7·9	+ 2·2	56	0	37	62·6	+0·7	59·5	+0·3
	27	77	22nd	52	20th	70·7	56·3	63·1	+ 1·6	3	0·15	4	- 10	Westminster ..	8·3	+ 3·2	59	0	45	•	•	•	•
	165	78	22nd	54	20th	72·3	54·4	62·8	+ 1·7	4	0·19	5	- 7	Greenwich ..	9·0	+ 2·5	64	0	41	•	•	•	•
	450	75	22nd	48	20th	68·1	52·6	59·9	—	3	0·40	10	—	Hampstead ..	8·0	—	57	0	40	•	•	•	•
	110	81	22nd	50	20th	73·9	54·7	63·7	+ 1·7	3	0·29	7	- 7	Camden Square	7·6	+ 2·6	53	0	50	•	•	•	•
7. a, ENGLAND, N.W.																							
	487	68	22nd	47	20th	62·3	52·4	57·1	0·0	7	0·94	24	- 4	Aspatria	4·4	- 0·5	31	0	43	57·8	•	56·1	•
	559	69	22nd	44	20th	63·6	50·7	56·8	+ 0·7	7	0·95	24	+ 1	Newton Rigg ..	4·4	- 0·4	31	0	37	59·5	+0·7	56·5	-0·1
	377	72	22nd	51	20th	64·6	53·0	58·5	+ 1·3	7	0·97	25	- 8	Stonyhurst ..	4·8	+ 0·1	34	0	43	•	•	•	•
	66	72	22nd	52	24th	65·9	55·3	60·3	+ 2·1	6	0·89	23	- 1	Blackpool ..	5·4	- 0·2	38	0	45	61·2	•	57·3	•
	37	74	22nd	52	24th	66·3	55·0	60·3	+ 1·9	6	0·82	21	- 2	Southport ..	6·4	+ 1·0	45	0	48	62·8	+0·8	61·5	+0·2
														Hoylake ..	6·0	+ 0·8	42	•	•	•	•	•	•
	188	72	22nd	52	20, 24	65·4	54·0	59·4	+ 0·5	6	0·91	24	+ 4	Liverpool ..	6·0	—	42	0	46	•	•	•	•
	22	73	22nd	52	20th	67·0	54·6	60·4	+ 0·8	5	0·41	10	- 8	Manchester(City)	4·6	+ 0·8	32	0	47	62·1	+2·0	62·0	+2·4
	125	75	22nd	51	20th	67·4	53·7	60·1	+ 0·8	6	0·92	23	+ 1	Whitworth Park	4·6	+ 0·6	32	•	•	•	•	•	•
b, NORTH WALES.																							
	16	73	22nd	53	20th	65·6	55·4	60·2	+ 0·8	5	0·83	21	+ 1	Llandudno ..	6·5	+ 1·0	46	•	•	•	•	•	•
	10	64	21, 22	53	20th	62·6	55·9	58·6	+ 0·2	5	1·83	47	+ 26	Holyhead ..	5·4	—	38	0	50	•	•	•	•
	148	71	22nd	47	20th	64·9	52·3	58·2	+ 0·5	6	2·08	53	—	Bettws-y-Coed.	4·4	—	31	•	•	57·6	+0·2	55·0	-0·4
	22	69	22nd	55	20, 21, 23	63·9	56·0	59·7	—	5	0·92	23	—	Aberdovey ..	4·5	- 1·0	32	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
																		Ground Frosts.	Lowest Reading.	Mean.	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	67	22nd	55	24th	63·3	56·6	59·8	—	6	0·73	19	—	Aberystwyth ..	4·0	- 1·5	28	•	•	•	•	•	•
a Rhayader	757	66	22nd	46	20th	61·3	51·1	55·9	—	7	2·07	53	—	Rhayader ..	3·3	—	23	0	29	•	•	•	•
a St. Ann's Head ..	149	64	20, 21	55	24, 25	61·4	55·7	58·4	- 0·4	6	1·46	37	+ 16	St. Ann's Head	4·1	- 1·9	29	•	•	•	•	•	•
p Cardiff	202	69	22, 23	52	25th	65·9	54·1	59·7	+ 0·1	6	2·33	59	+ 32	Cardiff	5·9	—	42	0	44	62·5	+0·7	59·6	-0·3
b, ENGLAND, S.W.																							
a Bath	66	72	22nd	53	20, 21, 25	68·1	55·3	61·3	+ 1·5	5	0·73	19	+ 1	Bath	•	•	•	•	•	64·3	+1·1	61·9	+0·2
a Shaftesbury	722	69	22nd	49	24, 25	64·6	51·9	57·9	- 0·9	5	0·55	15	- 4	Shaftesbury ..	•	•	•	•	•	60·7	•	59·1	•
a Arlington	613	66	21st	50	21st	63·4	52·1	57·4	- 0·5	6	2·32	59	+ 26										
a Newquay	190	67	21st	51	21st	64·7	54·4	59·2	- 0·7	5	1·51	38	+ 20	Newquay ..	5·6	- 0·7	40	•	•	62·2	•	59·5	•
a Cullompton	202	71	19th	46	20th	67·7	52·9	59·4	0·0	6	1·16	29	+ 10	Cullompton ..	4·7	- 0·9	34	0	43	61·3	•	•	•
a Portland Bill	19	66	22nd	57	19, 25	62·7	58·0	60·2	- 0·4	2	0·24	6	- 8	Weymouth ..	7·2	—	51	•	•	•	•	•	•
p Plymouth	116	69	19th	49	20th	65·9	54·4	59·8	- 0·5	7	1·20	30	+ 11	Plymouth ..	4·9	- 1·3	35	0	45	62·6	-0·8	60·0	•
a Falmouth	167	66	19, 20	50	21st	64·3	53·4	58·5	- 1·3	7	2·34	59	+ 37	Falmouth ..	4·8	- 1·8	34	0	42	62·6	•	61·2	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	65	21, 22	52	19, 20	62·0	53·3	57·4	+ 0·9	7	1·34	34	+ 13	Malin Head ..	3·4	—	24	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	63	22nd	50	25th	60·7	53·9	57·1	- 0·2	7	1·69	43	+ 15	Markree Castle	2·8	- 1·3	20	0	40	60·4	•	57·3	•
{ *p* Markree Castle ..	122	67	22nd	46	20th	63·6	51·0	56·9	+ 0·9	7	2·10	53	+ 27										
b, East .. { *p* Armagh	196	68	20th	49	20th	64·7	52·1	58·0	+ 1·4	7	0·93	24	+ 3	Armagh	2·9	- 1·3	20	0	48	58·7	-1·5	56·8	-1·5
{ *a* Donaghadee	101	66	20th	48	20th	63·3	51·7	57·2	+ 0·3	7	1·04	26	+ 6										
10. IRELAND, S.																							
p Dublin, City	47	68	22nd	52	20, 25	64·7	54·1	59·1	+ 0·2	7	1·01	26	+ 6	Dublin City ..	•	•	•	0	48	•	•	•	•
a Birr Castle	175	66	22nd	51	19, 20	63·7	53·3	58·2	+ 0·8	7	1·77	45	+ 21	Trinity Coll. ..	•	•	•	0	43	61·3	+0·9	59·0	+0·5
a Kilkenny	212	67	22nd	45	20th	64·9	52·0	58·1	+ 0·3	7	1·46	37	+ 14	Phœnix Park ..	4·6	- 0·5	32	0	42	•	•	•	•
a Waterford	20	66	22nd	47	20th	63·9	53·3	58·3	- 0·4	7	1·55	39	+ 14	Birr Castle ..	3·9	- 0·6	28	0	45	•	•	•	•
a Seskin, Carrick-on-Suir	541	65	19, 22	49	20, 25	62·6	51·3	56·6	—	7	1·81	46	—	Seskin	4·1	—	29	0	41	•	•	•	•
a Cahir	198	67	22nd	47	20th	64·0	51·4	57·3	- 0·7	7	1·85	47	—										
a Foynes	50	69	22nd	50	25th	63·3	53·9	58·3	+ 0·2	7	1·54	39	+ 14										
a Cahirciveen (Val. Obs.)	30	65	22nd	52	20th	62·1	54·9	58·3	- 0·3	7	1·97	50	+ 17	Cahirciveen ..	3·6	- 1·3	26	0	48	•	•	•	•
a Killarney	174	70	22nd	51	20th	64·1	54·0	58·8	+ 0·2	7	2·10	53	+ 23	Ballinacurra ..	3·2	- 1·6	23	•	•	•	•	•	•
a Roche's Point	32	65	19th	49	20th	62·0	53·9	57·7	- 1·0	7	1·75	44	+ 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	19th	54	21, 23-25	63·6	54·7	58·9	- 1·7	7	1·58	40	+ 24	Scilly	6·0	- 0·8	43	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	76	22nd	51	21st	69·0	56·0	62·1	- 0·5	2	0·28	7	- 8	St. Heliers ..	10·2	+ 2·8	73	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	74	22nd	54	21, 25	68·3	56·4	62·0	- 0·2	4	0·22	6	- 10	Guernsey† ..	10·2	+ 2·7	73	0	46	63·8	-0·4	61·9	-0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 25th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.			
	Above Mean Sea Level.	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.		Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	—	—	22	2	54	91	21	0	SE.	11	22 23	—	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	8	97	52	11	—	7	23 12	15	23	9	50
Aberdeen	153	105	52	—	—	—	—	34	114	14	6	SW. by W.	8	25 15	15	25	10	15
Edinburgh	485	39	31	—	—	—	—	81	76	11	0	SW. by W.	11	24 22	18	25	7	20
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	23 to 25	14	85	62	7	0	S. by W.	13	23 16	21	23	15	30
Paisley	188	81	52	—	—	—	—	35	125	8	0	SW. by S.	8	23 19	20	25	6	35
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	27	109	32	0	S. by W.	10	23 15	17	23	13	40
South Shields	72	61	12	—	—	—	—	57	85	26	0	W. by N.	9	25 13	17	25	6	45
Spurn Head	66	40	‡	—	—	22 to 24	12	83	50	17	6	—	13	23 14	17	23	10	15
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	64	104	0	0	S. by W.	10	24 4	—	—	—	—
Gorleston	52	42	‡	—	—	22 to 24	19	75	74	0	0	—	13	23 15	20	25	7	35
Shoeburyness	103	90	‡	—	—	23, 24	28	68	71	1	0	SW.	15	24 13	24	24	12	50
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	24	3	78	72	15	0	W.	12	24 16	21	24	16	30
5. ENGLAND, S.E.																		
Dover	271	40	‡	24	3	19, 23, 24	27	58	43	18	19	—	18	24 14	25	24	4	50
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	— —	—	—	—	—
Brighton	281	53	6	—	—	23, 24	25	75	58	10	0	—	15	24 3	25	24	2	25
Richmond (Kew Obs.)..	82	65	22	—	—	24	1	41	108	18	0	SW. by S.	11	24 13	19	24	8	55
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	Record defective.		—	—	—	—	—	—	— —	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	—	—	19, 23 to 25	30	90	48	0	0	WNW.	16	25 4	25	24	6	40
Southport	80	62	48	24	1	19, 22 to 25	54	79	34	0	0	S.W. by W.	17	24 8	23	24	6	40
Holyhead	60	40	‡	—	—	19, 22 to 25	55	108	5	0	0	SW.	14	23 16	21	23	17	30
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	23	2	22 to 25	56	46	56	8	0	SW.	18	23 22	28	23	22	10
Plymouth	185	88	2	—	—	22, 23	13	68	59	28	0	—	14	23 3	21	23	3	20
Lyme Regis	556	61	‡	—	—	No record.		—	—	—	—	—	—	— —	—	—	—	—
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	—	19, 22 to 25	34	80	50	4	0	W.	14	24 14	—	—	—	—
Quilty	100	40	‡	—	—	19, 21 to 24	45	101	22	0	0	—	15	24 10	22	24	9	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	21 to 24	22	91	53	2	0	S. by E.	12	21 19	22	24	7	15
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
11. ENGLISH CHANNEL.																		
Scilly..	150	32	‡	23	1	23, 24	27	56	68	16	0	W. by N.	17	23 22	25	23	21	50

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FOURTH WEEK of 1917—August 19th to August 25th, 1917.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	45	88·9	84·1	86·3	+ 0·9	98	+ 11	0	0	6	+ 1	1·48	37	+ 14	2·8	−1·0	19	1001
Eastern.																			
1. SCOTLAND, EAST ...	71	38	90·7	83·2	86·7	+ 0·6	102	+ 7	0	0	6	+ 2	0·85	22	+ 5	3·7	−1·0	25	1002
2. ENGLAND, N.E.	77	45	92·8	84·6	88·4	+ 1·1	124	+ 13	0	0	5	+ 1	0·35	9	− 8	6·1	+1·2	42	1007
3. ENGLAND, EAST ...	77	46	93·7	85·2	89·2	+ 0·8	134	+ 10	0	0	4	0	0·22	6	− 8	7·7	+2·1	54	1012
4. MIDLAND COUNTIES ...	76	46	92·7	84·6	88·3	+ 0·5	123	+ 7	0	0	5	+ 1	0·51	13	− 4	6·1	+0·9	43	1010
5. ENGLAND, S.E.	76	44	93·1	85·7	89·1	+ 0·3	133	+ 2	0	0	4	0	0·35	9	− 6	8·0	+1·8	57	1013
Western.																			
6. SCOTLAND, WEST ...	67	41	90·1	84·4	87·1	+ 0·6	108	+ 7	0	0	7	+ 2	1·97	50	+ 24	4·1	−0·8	28	1004
7. ENGLAND, N.W.	75	44	91·3	85·0	88·0	+ 0·5	119	+ 6	0	0	6	+ 2	1·07	27	+ 3	5·1	+0·1	36	1007
8. ENGLAND, S.W.	72	46	91·1	85·1	87·9	− 0·2	118	− 3	0	0	6	+ 2	1·44	37	+ 15	4·5	−1·4	32	1011
9. IRELAND, NORTH ...	68	46	90·2	84·4	87·2	+ 0·5	109	+ 6	0	0	7	+ 2	1·48	38	+ 15	2·9	−1·3	20	1002
10. IRELAND, SOUTH ...	70	45	90·6	84·9	87·6	0·0	113	− 1	0	0	7	+ 2	1·67	42	+ 17	3·8	−1·0	27	1006
11. ENGLISH CHANNEL ...	76	51	92·4	86·2	89·1	− 0·3	133	− 4	0	0	4	0	0·69	18	+ 2	8·8	+1·6	63	1014

THE SEASON (Summer).—Aggregates, &c., for the Period of 12 Weeks, June 3rd to August 25th, 1917.

0. SCOTLAND, NORTH ...	81	33	89·7	82·7	86·0	+ 0·7	1130	+109	0	− 1	46	− 6	8·54	215	− 15	5·8	+1·4	34	1013
Eastern.																			
1. SCOTLAND, EAST ...	84	29	91·1	82·1	86·3	+ 0·2	1174	+ 37	3	+3	38	− 7	7·36	188	+ 1	5·9	+0·6	36	1013
2. ENGLAND, N.E.	87	35	92·4	83·8	87·8	+ 0·6	1404	+104	0	0	40	0	6·40	161	− 4	6·2	+0·4	39	1015
3. ENGLAND, EAST ...	93	40	93·8	85·0	89·1	+ 0·9	1602	+142	0	0	39	+ 1	7·95	203	+ 54	7·0	+0·5	44	1015
4. MIDLAND COUNTIES ...	89	36	93·6	84·0	88·4	+ 0·5	1497	+ 91	0	0	40	+ 2	7·62	194	+ 30	6·0	+0·2	38	1015
5. ENGLAND, S.E.	90	36	93·5	85·2	89·0	+ 0·4	1584	+ 64	0	0	39	+ 3	9·75	247	+104	6·9	0·0	44	1015
Western.																			
6. SCOTLAND WEST ...	81	32	91·6	83·2	87·1	+ 0·5	1292	+ 71	0	0	41	− 6	9·30	237	− 5	6·4	+0·7	39	1014
7. ENGLAND, N.W.	82	36	92·2	84·1	87·9	+ 0·5	1412	+ 79	0	0	38	− 5	7·99	204	− 4	6·7	+0·8	42	1014
8. ENGLAND, S.W.	86	35	92·0	84·6	88·1	+ 0·2	1436	+ 27	0	0	44	+ 2	9·59	246	+ 48	6·4	0·0	41	1015
9. IRELAND, NORTH ...	76	32	90·8	83·5	86·9	+ 0·3	1266	+ 42	0	0	53	0	9·73	248	+ 25	5·6	+0·7	35	1013
10. IRELAND, SOUTH ...	77	40	91·9	84·3	87·9	+ 0·3	1406	+ 45	0	0	51	+ 5	9·97	252	+ 31	5·7	+0·3	36	1014
11. ENGLISH CHANNEL ...	83	48	92·4	86·1	89·0	+ 0·3	1583	+ 47	0	0	39	− 1	6·79	174	+ 24	7·5	−0·3	49	1016

THE YEAR 1917.—Aggregates, &c., for the Period of 34 Weeks, December 31st, 1916, to August 25th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·5	77·5	80·4	− 0·3	1465	+ 2	684	+145	145	−11	22·72	576	−184	3·9	+0·3	29	1014
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·1	76·5	80·1	− 0·9	1549	−102	884	+267	118	−15	17·03	436	− 44	4·2	0·0	31	1014
2. ENGLAND, N.E.	87	5	84·9	77·7	81·2	− 0·6	1891	+ 18	781	+309	120	0	15·54	395	+ 8	4·3	−0·3	32	1015
3. ENGLAND, EAST ...	93	5	85·7	78·3	81·8	− 0·6	2194	+ 36	786	+292	113	− 3	15·80	404	+ 39	4·8	−0·2	36	1015
4. MIDLAND COUNTIES ...	89	4	85·9	77·6	81·6	− 0·7	2119	− 9	831	+309	110	− 5	17·26	439	+ 27	4·1	−0·4	31	1015
5. ENGLAND, S.E.	90	4	85·9	78·7	82·1	− 0·9	2215	− 73	693	+314	105	− 7	18·63	474	+ 82	4·9	−0·3	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·8	77·8	81·1	− 0·7	1766	− 45	663	+247	120	−21	22·03	561	−138	4·3	−0·1	32	1015
7. ENGLAND, N.W.	82	5	85·0	78·2	81·5	− 0·7	1947	− 11	703	+321	111	−15	18·96	484	− 43	4·6	0·0	35	1015
8. ENGLAND, S.W.	86	4	85·4	78·6	81·9	− 0·9	2044	−113	619	+318	115	−10	21·11	537	− 25	5·0	0·0	38	1015
9. IRELAND, NORTH ...	76	7	84·8	78·3	81·4	− 0·7	1792	− 85	536	+196	141	−14	21·87	559	− 29	3·9	−0·2	30	1014
10. IRELAND, SOUTH ...	77	9	85·9	78·9	82·3	− 0·7	2106	− 67	501	+241	134	− 2	22·05	561	− 56	4·4	−0·1	33	1015
11. ENGLISH CHANNEL ...	83	22	86·0	80·5	83·1	− 0·9	2296	−163	347	+242	115	−14	17·79	453	− 2	5·7	−0·2	44	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : August 30th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 35.

THE THIRTY-FIFTH WEEK OF 1917.
SUNDAY, AUGUST 26TH, TO SATURDAY, SEPTEMBER 1ST.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

This period was marked by conditions of an unsettled type, due to the passage of a succession of depressions from the Atlantic, the deep one of the 26th to 28th occasioning gales and very heavy rains over a wide area. On the southern coasts the wind rose to a strong or whole gale, and locally in squalls hurricane violence was attained, the worst of the gale being from South-Westerly points.

The temperature of the coastal sea water was colder than in the preceding week, by as much as 1 a. to 2 a. in the Channel and the West of Ireland. Off Shetland the mean value was more than 1 a. above the normal, but in the South and West from 1 a. to 2 a. below. The air temperature was similarly affected, the results for Scotland and England North-East being somewhat in excess, while other districts returned a deficiency, as much as 1 a. to 1·3 a. in the South-West. These low results were due to the day readings being considerably short of the normal, there being scarcely any instances of maxima as high as 294 a., many being under 288 a., while the night minima generally were high, many between 286 a. and 288 a., and there were few below 280 a., though Kilkenny registered 276½ a. on the 27th.

Rainfall was of daily occurrence, and on several days large quantities were measured in various places, the principal storm occurring on the 27th, when numerous stations in England and Ireland received over 25mm., ranging up to 38mm. at Roche's Point, Kilkenny, Falmouth and Arlington, 43mm. at Killarney, 47mm. at Waterford, and 53mm. at Cahirciveen. For the whole week the aggregates were in excess of the normal in all districts, more than 230 per cent. in nine out of the twelve districts, the highest percentages being 319 in the English Channel, 320 in England North-East, and 345 in Ireland South. Thunder or thunderstorms occurred in many places on September 1, and in a few scattered localities on some other days.

Under these untoward circumstances the duration of bright sunshine for the country generally was only about one-half the normal, the loss ranging from ¾ hour per day in Ireland South to three hours in Scotland East and England South-East.

Solar and lunar halos, and a good deal of "visibility" were noted locally.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	3·7	13	3·1	26	4·5	25	4·2	10	3·8	8	3·7	13	2·3	11	3·6
North	18	5·1	8	3·2	2	1·4	2	1·8	16	6·5	16	5·9	10	4·4	16	5·0
West	12	4·1	17	4·9	22	3·9	24	3·7	24	6·6	27	7·9	23	7·1	20	6·3
East	14	4·9	4	2·2	4	5·4	1	3·3	4	9·0	1	7·4	5	5·0	5	3·7
Calm	1	—	5	—	0	—	0	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient
Rainfall ...	Heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Moderate	Very heavy	Very heavy	Heavy	Very heavy	Very heavy
Sunshine ...	Very scanty	Very scanty	Scanty	Scanty	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Scanty	Very scanty

THE SUMMER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

SUMMER. 13 weeks from June 3rd, 1917. Warmth ...	8, 4, 1	4, 7, 2	8, 2, 3	8, 2, 3	8, 2, 3	4, 4, 5	6, 5, 2	5, 7, 1	3, 7, 3	5, 5, 3	6, 4, 3	5, 6 2
Rainfall ...	5, 3, 5	5, 3, 5	4, 4, 5	4, 4, 5	6, 4, 3	4, 6, 3	6, 2, 5	3, 5, 5	5, 7, 1	4, 5, 4	4, 8, 1	6, 5 2
Sunshine ...	7, 4, 2	5, 3, 5	4, 6, 3	5, 5, 3	4, 5, 4	3, 7, 3	5, 5 3	5, 4, 4	3, 6, 4	4, 4, 5	3, 6, 4	3, 4 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(13170—19.) Wt. 153—442. 450. 9/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick ..	54	60	27th	44	1st	57·4	50·9	54·0	+ 2·8	6	1·28	32	+ 8										
p Deerness	160	60	27th	48	1st	57·6	51·7	54·5	—	5	1·50	38	+ 15	Deerness	1·0	- 2·5	7	•	•	•	•	•	•
a Stornoway	51	61	28th	47	31st	58·4	50·4	54·2	+ 1·5	7	1·59	40	+ 8	Stornoway	2·0	- 1·8	14	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	62	28th	49	31st	58·6	51·9	55·1	+ 1·0	6	0·80	20	—	Castlebay	3·2	—	23	•	•	•	•	•	•
b, Mainland. *a* Wick	81	60	26th	42	26th	57·1	49·4	53·0	+ 0·4	6	1·42	36	+ 15	Fort Augustus..	0·7	- 2·3	5	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	63	26th	44	31st	56·4	48·6	52·3	- 0·2	7	2·41	61	+ 3										
p Fort Augustus..	68	63	26, 29	44	31st	59·4	50·1	54·5	+ 0·6	7	1·66	42	+ 15										
p Fort William ..	171	65	30th	46	31st	60·4	50·3	55·1	+ 0·6	6	0·66	17	- 33										
1. SCOTLAND, E.																							
a Nairn	82	65	26th	45	26, 30	59·4	49·6	54·2	+ 0·2	7	2·05	52	+ 34	Nairn	1·1	—	8	•	•	•	•	•	•
p Gordon Castle ..	101	64	26th	45	31st	60·3	50·6	55·2	+ 0·9	7	1·78	45	+ 23	Gordon Castle..	0·6	—	4	•	•	•	•	•	•
a Aberdeen	48	61	29, 30, 1	46	31st	60·1	51·6	55·6	+ 1·4	5	1·50	38	+ 19	Aberdeen	1·9	- 2·6	13	0	37	•	•	54·9	+1·0
a Balmoral	930	60	26th	40	31st	56·9	47·7	52·0	+ 0·8	6	2·66	68	+ 47	Balmoral	•	•	•	0	34	•	•	•	•
p Crieff	432	65	29th	43	31st	61·0	48·1	54·2	- 0·8	5	0·83	21	- 6	Crathes ..	1·7	- 2·4	12	0	34	57·8	+1·8	56·0	+0·7
a Dundee	244	64	29th	47	31st	62·0	50·1	55·7	—	6	1·52	39	+ 18	Dundee ..	1·9	—	14	0	38	56·3	•	•	•
a Leith	18	64	29th	50	1st	60·9	52·7	56·6	+ 0·5	5	0·96	24	+ 6	Leith ..	•	•	•	0	43	•	•	•	•
a Edinburgh	441	62	29th	49	27th	58·6	50·7	54·4	—	4	1·58	40	+ 22	Edinburgh ..	0·8	- 3·6	6	0	46	•	•	•	•
a West Linton	769	61	29th	46	31st	57·1	48·0	52·3	+ 0·8	4	2·29	58	—	West Linton ..	1·2	—	9	0	41	•	•	•	•
p Marchmont	498	63	27th	46	28th	60·0	48·9	54·1	+ 0·2	6	3·29	84	+ 62	Marchmont ..	0·5	- 3·8	4	0	41	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	61	1st	48	1st	59·5	51·6	55·3	—	7	0·58	15	—	Ford (Argyll) ..	•	•	•	0	43	59·0	•	58·1	•
p Glasgow Observatory	180	63	29th	49	31st	60·0	51·9	55·7	+ 1·0	5	0·63	16	- 10	Glasgow ..	2·4	- 1·2	17	0	38	•	•	•	•
p Rothesay	170	64	27th	47	31st	60·3	50·6	55·2	+ 0·2	7	0·48	12	- 22	Rothesay ..	•	•	•	0	41	57·6	•	56·7	+1·0
a Kilmarnock	90	64	26th	47	31st	61·4	51·7	56·3	+ 2·4	6	1·05	27	- 2	Kilmarnock ..	1·8	—	13	•	•	57·4	•	56·2	•
a Colmonell	170	64	27th	50	27, 1	60·3	52·1	56·0	+ 1·7	6	0·76	19	- 10	Colmonell ..	•	•	•	0	46	•	•	•	•
p Cally, Gatehouse	120	64	27th	46	31st	62·4	50·1	55·9	+ 2·1	6	2·48	63	+ 31	Dumfries ..	1·2	—	9	0	38	58·7	•	59·1	•
a Dumfries	160	63	29th	46	31st	59·9	50·6	55·0	- 0·5	5	1·59	40	+ 16	Eskdalemuir ..	1·4	—	10	0	37	•	•	•	•
a Eskdalemuir	794	63	29th	46	31st	57·0	48·9	52·7	—	7	2·26	57	—										
b, I. OF MAN *p* Douglas	277	61	29th	48	27th	58·4	51·1	54·5	- 0·8	5	2·52	64	+ 36	Douglas ..	2·1	- 3·0	15	0	46	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	65	26th	47	31st	61·6	51·7	56·4	+ 0·8	5	2·21	56	+ 37										
a Tynemouth	71	63	29th	49	31st	60·4	52·3	56·1	- 0·1	5	2·48	63	+ 47	Cockle Park ..	1·2	- 3·5	9	0	41	55·4	+1·0	•	•
p Durham	336	65	1st	41	31st	63·4	49·6	56·1	0·0	5	2·15	55	+ 40	Durham ..	1·6	- 2·8	12	0	37	•	•	•	•
a North .. *p* Rounton	249	66	26th	44	31st	63·3	51·0	56·8	+ 1·1	5	1·51	38	+ 22	Rounton ..	•	•	•	0	36	58·8	•	•	•
a West Witton	605	65	29th	47	31st	61·3	51·0	55·8	—	7	1·87	47	—	West Witton ..	•	•	•	0	40	57·9	•	55·7	•
p Scarborough	100	65	26, 30, 31	52	1st	63·7	53·9	58·5	+ 0·9	5	1·52	39	+ 23	Scarborough† ..	2·1	- 2·8	15	•	•	•	•	51·0	•
p York	56	68	29th	49	31st	65·3	53·0	58·8	+ 1·0	7	1·71	43	+ 29	York ..	3·6	- 0·9	26	•	•	59·6	+1·3	58·1	+0·9
a Spurn Head	26	66	26th	52	27th	63·4	54·3	58·6	+ 0·2	6	2·48	63	+ 51	Spurn Head ..	3·2	—	23	•	•	•	•	•	•
b, South .. *a* Lincoln	58	67	26th	50	27th	64·0	52·9	58·1	- 0·3	7	1·50	38	+ 24	Lincoln ..	•	•	•	•	•	60·3	+1·3	59·3	+1·7
a Fulbeck	180	66	26th	50	27th	63·4	52·3	57·5	- 0·9	7	1·41	36	+ 21	Rauceby ..	4·1	- 1·3	30	•	•	59·8	-0·8	58·6	-0·2
														Skegness ..	4·1	- 1·5	30	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	70	26th	50	26, 27	63·4	51·7	57·2	- 1·6	7	0·99	25	+ 12	Cromer ..	3·9	- 1·7	28	•	•	•	•	•	•
p Little Massingham	280	68	26th	50	27, 1	62·4	51·0	56·4	- 1·7	6	1·76	45	+ 27	Lit. Massingham	2·9	- 2·4	21	?	?	•	•	•	•
a Yarmouth	13	66	29, 31	52	27, 28	64·1	53·6	58·5	- 0·3	6	1·50	38	+ 23	Yarmouth ..	3·6	—	26	0	51	61·4	-0·5	60·4	-1·2
a Norwich	93	69	26th	50	26th	64·4	53·0	58·4	- 0·3	6	1·15	29	+ 13	Norwich ..	3·7	—	27	0	44	61·0	•	•	•
a Geldeston	37	70	26th	50	27th	65·0	51·9	58·1	- 0·5	6	1·11	28	+ 13	Geldeston ..	3·2	- 2·5	23	•	•	•	•	•	•
p Cambridge	41	67	26th	51	27th	64·4	53·3	58·5	- 0·5	7	1·01	26	+ 12	Cambridge ..	3·4	- 2·2	25	0	47	61·0	+0·4	60·4	+0·5
a Clacton-on-Sea	54	65	26, 31	53	27th	63·7	55·3	59·3	- 0·2	6	0·83	21	+ 9	Clacton ..	3·4	- 3·1	25	0	49	60·5	0·0	60·7	+0·6
a Rothamsted	424	63	26, 31, 1	48	27th	61·3	51·9	56·3	- 1·5	6	1·58	40	+ 24	Rothamsted ..	3·3	- 2·3	24	0	45	58·5	•	•	•
p Tottenham	51	67	31st	51	27th	64·3	54·6	59·2	- 0·4	7	1·77	45	—	Tottenham ..	3·4	—	25	0	48	•	•	60·7	-1·2
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	65	29th	45	31st	62·9	50·6	56·4	+ 0·6	6	1·77	45	+ 27	Harrogate ..	3·6	- 1·2	26	0	42	56·7	+1·2	56·7	+1·2
p Sheffield	429	64	26, 1	50	31st	62·6	52·0	57·0	—	6	1·58	40	—	Sheffield ..	3·7	- 0·8	27	0	45	58·3	+0·6	56·8	+0·9
p Buxton	987	60	27th	47	27th	57·7	49·4	53·3	- 1·6	7	3·62	92	+ 63	Buxton ..	2·0	—	15	0	45	56·4	-0·7	57·1	+1·8
b, East .. *a* Bawtry	65	66	26th	50	27, 31	63·6	52·7	57·8	+ 0·3	6	1·22	31	+ 17	Worksop ..	2·7	- 1·6	20	0	41	58·7	•	57·7	•
a Nottingham	82	64	26, 27	50	27, 28	62·9	52·4	57·3	- 0·4	7	1·23	31	+ 15	Nottingham ..	2·6	- 2·2	19	0	46	58·6	+0·7	59·3	+0·6
p Birmingham, Edgbsn.	535	63	31st	47	27th	60·4	51·3	55·6	- 2·0	7	2·33	59	+ 42	Birmingham ..	2·3	- 1·8	17	0	44	54·4	-0·9	53·9	-0·3
a Raunds	203	67	26, 27	49	27th	64·7	52·0	58·0	- 0·7	7	1·70	43	+ 27	Raunds ..	•	•	•	0	33	62·2	•	58·2	•
p Oxford	208	64	31, 1	49	27th	61·7	52·9	57·0	- 1·7	7	1·09	28	+ 13	Oxford ..	2·4	- 2·9	18	0	44	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.)	646	64	27th	46	27th	60·4	49·9	54·8	- 1·3	7	3·22	82	+ 60	Cheadle ..	•	•	•	0	42	•	•	•	•
p Shrewsbury	191	66	27th	47	27th	62·4	51·3	56·5	- 0·8	7	1·98	50	+ 34	Shrewsbury ..	•	•	•	0	41	•	•	•	•
a Hereford§	291	64	31st	47	28th	61·4	49·9	55·3	- 2·4	7	2·04	52	+ 36	Malvern§ ..	3·1	—	23	0	40	58·9	•	59·7	•
a Clifton	229	64	31st	50	27th	60·9	53·7	57·1	- 2·8	7	2·97	75	+ 47	Clifton ..	2·9	—	21	0	48	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	64	28, 31	50	27, 28, 1	61·1	51·3	55·9	- 0·8	7	2·28	58	+ 40	Worthing ..	2·7	- 3·7	20	0	50	61·8	-0·3	61·5	+0·5
p Salisbury (Wilton)	180	66	29, 1	46	27th	62·3	50·4	56·0	- 2·5	6	2·20	56	+ 37	Marlborough ..	2·1	- 2·9	15	0	45	57·7	•	57·4	•
a Wisley, Surrey	150	66	1st	50	27th	62·9	53·0	57·7	- 1·0	6	1·24	31	+ 15	Salisbury ..	•	•	•	0	43	61·1	•	•	•
a Tunbridge Wells	354	66	31st	50	27th	62·6	52·3	57·1	- 1·8	7	2·34	59	+ 41	Wisley	3·0	- 2·6	22	0	43	60·4	-0·2	59·6	-0·6
a Margate	53	68	26th	52	27th	64·3	53·9	58·8	- 1·9	7	1·20	31	+ 16	Tunbridge Wells	2·2	- 3·7	16	0	42	60·3	-1·2	60·4	•
a Dungeness	21	66	26, 31	56	27, 29	64·1	57·1	60·4	+ 0·3	6	2·21	56	+ 40	Margate	2·8	- 2·9	21	0	47	62·2	0·0	63·0	+3·1
p St. Leonards	178	66	31st	52	27th	63·1	54·7	58·7	- 1·4	6	2·57	65	+ 47	Dover	4·6	—	34	0	37	•	•	•	•
p Southampton	64	67	31st	51	27th	63·3	53·7	58·2	- 2·3	6	1·78	45	+ 26	St. Leonards ..	3·1	- 3·2	23	0	49	62·2	•	61·7	•
a Ventnor	59	67	31st	54	27, 28	62·9	55·9	59·2	- 1·9	6	1·75	44	+ 27	Southampton ..	2·7	- 3·3	20	0	45	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	65	26, 31, 1	51	27th	63·7	54·0	58·6	- 0·9	7	1·19	30	+ 14	Ventnor	2·2	- 3·9	16	•	•	•	•	•	•
a Westminster	27	68	26, 31	52	27th	65·9	55·9	59·7	- 0·8	7	1·43	36	+ 21	Richmond ..	3·2	- 2·2	24	0	49	59·7	−0·7	59·2	+0·3
ag Greenwich	155	68	31st	50	27th	65·4	52·7	58·1	- 1·7	6	1·16	29	+ 17	Westminster ..	2·9	- 1·9	21	0	48	•	•	•	•
a Hampstead	450	64	1st	47	27th	61·4	51·4	56·1	—	7	1·67	42	—	Greenwich ..	3·3	- 2·8	24	0	43	•	•	•	•
ag Camden Square	110	71	31st	50	27th	67·1	53·9	60·1	- 0·9	7	1·65	42	+ 26	Hampstead ..	3·0	—	22	0	42	•	•	•	•
														Camden Square	3·8	- 0·8	28	0	48	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	60	26th	46	31st	58·0	50·6	54·1	- 1·7	6	3·00	76	+ 49	Aspatria	0·8	- 3·7	6	0	43	56·0	•	55·6	•
p Newton Rigg	559	61	28, 29	45	31st	59·1	49·6	54·1	- 0·6	6	2·18	55	+ 33	Newton Rigg ..	1·0	- 3·4	7	0	38	57·5	+0·2	56·0	-0·1
p Stonyhurst	377	62	28th	46	31st	60·4	51·0	55·4	- 0·5	7	2·51	64	+ 32	Stonyhurst ..	2·2	- 2·0	16	0	40	•	•	•	•
p Blackpool	66	63	28, 31	51	27, 28, 31	61·4	53·4	57·2	+ 0·2	6	2·21	56	+ 33	Blackpool ..	2·8	- 2·2	20	0	41	59·1	•	57·2	•
a Southport	37	61	27-29, 31	51	27, 28, 31	60·4	52·7	56·3	- 0·8	6	2·08	53	+ 31	Southport ..	2·8	- 2·6	20	0	44	59·6	-0·7	60·5	+0·3
														Hoylake ..	2·2	- 2·5	18	•	•	•	•	•	•
a Liverpool (Bidston)	188	61	27, 1	51	27, 31	59·7	52·6	55·9	- 1·7	7	1·97	50	+ 31	Liverpool ..	2·8	—	20	0	47	•	•	•	•
a Hawarden Bridge	22	64	27th	49	26, 27	61·4	52·0	56·4	- 1·7	6	1·91	48	+ 32	Manchester (City)	1·6	- 2·0	12	0	46	59·4	+1·0	61·5	+2·3
p Manchester (Whit. Pk.)	125	64	27th	48	31st	61·7	52·4	56·8	- 1·1	7	2·00	51	+ 30	Whitworth Park	1·7	- 1·9	12	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	61	26, 29, 1	48	28th	60·3	52·4	56·1	- 2·2	7	2·83	72	+ 53	Llandudno ..	2·3	- 2·7	17	•	•	•	•	•	•
a Holyhead	16	62	27th	50	27th	60·9	52·9	56·7	- 0·7	6	2·74	70	+ 49	Holyhead ..	3·6	—	26	0	45	•	•	•	•
p Bettws-y-Coed	148	61	27, 31, 1	47	27, 28	60·1	50·1	54·8	- 1·5	7	2·93	74	—	Bettws-y-Coed.	2·3	—	17	•	•	55·6	−0·3	54·9	−0·3
p Aberdovey	22	62	29th	51	31st	60·6	53·6	56·9	—	7	3·23	82	—	Aberdovey ..	1·8	- 3·3	13	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. in Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	61	29th	52	27, 28	59·3	53·7	56·3	—	7	1·85	47	—	Aberystwyth ..	1·7	- 3·5	12	*	*	*	*	*	*
a Rhayader	757	59	31, 1	47	27th	57·1	51·3	54·0	—	7	3·44	87	—	Rhayader ..	2·6	—	19	0	41	*	*	*	*
a St. Ann's Head ..	149	60	29th	52	28th	58·9	53·7	56·1	- 1·8	6	1·97	50	+ 27	St, Ann's Head	3·5	- 1·9	26	*	*	*	*	*	*
p Cardiff	202	63	29, 31	48	27th	61·0	52·6	56·6	- 1·6	7	3·59	91	+ 63	Cardiff	2·3	—	17	0	40	59·4	-0·6	59·1	-0·4
b, ENGLAND, S.W.																							
a Bath	66	65	1st	50	27th	61·4	53·8	57·4	- 1·1	7	2·76	70	+ 51	Bath	*	*	*	*	*	61·1	-0·9	61·4	+0·1
a Shaftesbury	722	63	31, 1	47	27th	59·4	50·7	54·8	- 2·8	5	2·00	51	+ 30	Shaftesbury ..	*	*	*	*	*	57·3	*	58·4	*
a Arlington	613	61	1st	47	27th	58·6	51·3	54·7	- 1·6	7	3·78	96	+ 61										
a Newquay	190	62	31, 1	50	27th	60·3	53·9	56·9	- 2·1	7	1·46	37	+ 16	Newquay ..	3·8	- 2·0	28	*	*	59·9	*	59·1	*
a Cullompton	202	67	31st	45	27th	62·1	52·1	56·8	- 1·3	6	2·18	55	+ 35	Cullompton ..	3·3	- 1·9	24	0	37	58·5	*	*	*
a Portland Bill	19	63	29, 31	55	27, 28	61·0	56·0	58·4	- 1·3	7	0·83	21	+ 5	Weymouth ..	2·7	—	20	*	*	*	*	*	*
p Plymouth	116	66	31st	53	27, 28, 31	61·6	54·0	57·6	- 1·7	5	1·52	39	+ 18	Plymouth ..	3·2	- 2·5	24	0	48	59·1	-2·8	59·4	*
a Falmouth	167	66	31st	51	27, 28	61·7	52·1	56·6	- 2·2	6	1·94	49	+ 25	Falmouth ..	4·0	- 2·0	29	0	47	60·8	*	60·8	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	60	26, 28	48	27th	58·9	50·7	54·6	- 1·0	6	0·75	19	- 2	Malin Head ..	4·3	—	31	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	60	28th	49	26, 27	58·6	50·1	54·1	- 2·3	7	1·30	33	+ 4	Markree Castle	2·8	- 0·9	20	0	36	58·5	*	56·9	*
{ *p* Markree Castle ..	122	63	28th	41	27th	60·3	47·3	53·4	- 1·4	6	1·25	32	+ 6										
b, East .. { *p* Armagh	196	64	26th	45	31st	61·4	49·7	55·2	- 0·1	7	0·52	13	- 8										
{ *a* Donaghadee	101	61	26, 31	47	27th	60·0	50·1	54·8	- 1·0	5	1·06	27	+ 8	Armagh	2·7	- 1·1	19	0	40	57·3	-1·4	56·3	-1·5
10. IRELAND, S.																							
p Dublin, City	47	63	28, 29	46	27th	60·7	50·6	55·4	- 2·3	6	2·82	72	+ 57	Dublin City ..	*	*	*	0	41	*	*	*	*
a Birr Castle	175	64	28th	43	27th	59·6	48·0	53·5	- 2·6	7	2·64	67	+ 49	Trinity Coll. ..	*	*	*	*	*	*	*	*	*
a Kilkenny	212	64	28th	38	27th	60·7	48·7	54·3	— 2·3	7	2·58	66	+ 49	Phœnix Park ..	3·4	- 1·1	25	0	33	*	*	*	*
a Waterford	20	66	28th	43	27th	61·7	51·4	56·2	- 1·3	7	2·69	68	+ 48	Birr Castle ..	2·9	- 1·1	21	0	36	*	*	*	*
a Seskin, Carrick-on-Suir	541	62	28, 1	43	27th	59·0	48·0	53·2	—	7	2·51	64	—	Seskin	3·5	—	26	0	35	*	*	*	*
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	64	30th	45	27th	60·4	50·0	54·0	- 2·2	7	2·24	57	+ 37										
a Cahirciveen (Val. Obs.)	30	61	28th	50	27, 31	59·7	52·0	55·6	- 2·1	7	3·35	85	+ 58	Cahirciveen ..	4·5	+ 0·1	33	0	45	*	*	*	*
a Killarney	174	66	30th	48	28th	61·6	50·9	55·9	- 1·7	7	3·29	84	+ 60	Ballinacurra ..	3·4	- 0·9	25	*	*	*	*	*	*
a Roche's Point	32	63	28, 1	47	31st	60·7	51·4	55·8	- 2·0	7	2·07	53	+ 32										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	62	31, 1	52	27, 28	60·7	53·9	57·1	- 2·6	5	1·03	26	+ 9	Scilly	4·7	- 1·3	35	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	64	30, 31	49	28th	63·0	55·4	59·0	- 2·6	5	2·37	60	+ 44	St. Heliers ..	3·8	- 2·8	28	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	65	31st	53	27, 28	62·3	55·0	58·4	- 2·9	5	2·59	66	+ 49	Guernsey† ..	4·2	- 2·4	31	0	49	60·8	-2·4	61·5	-0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 1st, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	28	10	120	36	2	0	NE. by N.	15	28	14	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	15	118	35	0	—	8	28	9	20	28	9	15
Aberdeen	153	105	52	—	—	28, 29	5	55	87	21	0	NE. by E.	15	28	9	21	28	8	55
Edinburgh	485	39	31	—	—	—	—	60	90	18	0	N. by E.	9	28	7	17	28	6	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	28, 29	7	76	54	31	0	N. by E.	15	28	7	23	28	6	50
Paisley	188	81	52	—	—	—	—	27	108	33	0	NNW.	10	29	12	19	29	11	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	22	92	54	0	N. by W.	8	1	16	17	29	13	5
South Shields	72	61	12	—	—	28	1	40	95	32	0	E. by N.	11	28	4	18	1	17	0
Spurn Head	66	40	‡	—	—	27 to 30, 1	29	74	16	5	44	—	13	1	15	19	28	15	50
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	26 to 28	6	100	61	1	0	SE.	14	27	18	—	—	—	—
Gorleston	52	42	‡	28	2	26 to 28	38	80	48	0	0	—	18	28	6	26	28	6	5
Shoeburyness	103	90	‡	28	7	27 to 29, 1	30	108	19	0	4	SSW.	20	28	5	28	28	4	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	28, 1	7	80	59	20	2	S.	13	28	1	21	28	9	35
5. ENGLAND, S.E.																			
Dover	271	40	‡	28, 29	11	27 to 30, 1	30	88	27	0	12	—	24	28	10	34	28	9	45
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—
Brighton	261	53	6	—	—	27 to 29, 1	30	117	21	0	0	—	17	28	4	29	28	15	5
Richmond (Kew Obs.)..	82	65	22	—	—	28	1	54	107	6	0	SW.	11	28	11	24	28	10	20
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	44	88	36	0	WSW.	9	28	16	14	1	17	15
Fleetwood (Cup Anr.) ..	109	44	—	28, 29	12	27 to 1	44	57	44	11	0	N. by W.	23	28	13	—	—	—	—
Southport	80	62	48	28, 29	7	27 to 1	58	60	42	1	0	WNW.	20	28	13	26	28	13	5
Holyhead	60	40	‡	28	2	26 to 30, 1	75	73	17	1	0	NE. by N.	18	28	2	22	28	1	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	26 to 30, 1	54	85	29	0	0	SW.	15	27	17	27	28	4	35
Plymouth	185	88	2	—	—	26, 27, 30	12	81	74	1	0	—	14	26	7	19	28	8	10
Lyme Regis	556	61	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	27 to 29, 1	49	60	56	3	0	NNE.	17	27	23	—	—	—	—
Quilty	100	40	‡	—	—	27 to 29, 1	56	64	46	2	0	—	17	28	18	23	29	0	15
Cahirciveen (Val. Obs.)	98	41	‡‡	27	1	27 to 29, 1	18	96	41	11	1	NNE.	18	27	19	30	27	18	40
Weaver Pt.	100	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.																			
Scilly	150	32	‡	28	4	26 to 29, 1	38	87	35	4	0	NW.	22	28	3	30	28	2	35

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.
** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIFTH WEEK of 1917—August 26th to September 1st, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	65	42	87·6	83·0	85·2	+ 0·5	83	+ 4	0	0	7	+ 2	1·50	38	+ 6	1·2	−2·1	9	996
Eastern.																			
1. SCOTLAND, EAST ...	65	40	88·3	82·8	85·4	+ 0·2	86	− 1	0	0	6	+ 1	1·92	49	+ 28	1·3	−3·0	9	994
2. ENGLAND, N.E.	68	41	90·3	84·3	87·1	+ 0·3	108	+ 4	0	0	6	+ 2	1·89	48	+ 33	2·8	−2·1	20	996
3. ENGLAND, EAST ...	70	48	90·6	84·6	87·4	− 0·4	112	− 4	0	0	6	+ 2	1·30	33	+ 19	3·4	−2·3	25	1000
4. MIDLAND COUNTIES ...	67	45	89·7	83·9	86·7	− 0·4	102	− 6	0	0	7	+ 3	1·96	50	+ 33	2·9	−2·0	21	999
5. ENGLAND, S.E.	68	46	90·2	85·0	87·5	− 0·8	113	− 10	0	0	6	+ 2	1·88	48	+ 31	2·9	−3·0	21	1001
Western.																			
6. SCOTLAND, WEST ...	64	46	88·7	83·7	86·1	+ 0·4	95	+ 3	0	0	6	+ 2	1·26	32	+ 1	2·3	−2·2	16	995
7. ENGLAND, N.W.	64	45	88·7	83·9	86·2	− 0·6	96	− 8	0	0	7	+ 3	2·42	61	+ 38	1·9	−2·6	14	997
8. ENGLAND, S.W.	67	45	88·7	84·6	86·5	− 1·0	100	− 13	0	0	6	+ 2	2·40	61	+ 37	3·2	−2·2	23	1001
9. IRELAND, NORTH ...	64	41	88·4	82·6	85·4	− 0·7	86	− 9	0	0	6	+ 1	1·25	32	+ 9	2·8	−1·0	20	998
10. IRELAND, SOUTH ...	66	38	88·9	83·2	85·9	− 1·1	92	− 15	0	0	7	+ 3	2·71	69	+ 49	3·6	−0·8	26	1001
11. ENGLISH CHANNEL ...	65	49	89·7	85·7	87·6	− 1·3	113	− 18	0	0	5	+ 1	2·00	51	+ 35	4·2	−2·2	31	1005

THE SEASON (Summer).—Aggregates, &c., for the Period of 13 Weeks, June 3rd to September 1st, 1917.

0. SCOTLAND, NORTH ...	81	33	89·6	82·8	86·0	+ 0·8	1213	+113	0	− 1	53	− 4	10·04	253	− 9	5·4	+1·1	33	1012
Eastern.																			
1. SCOTLAND, EAST ...	84	29	90·9	82·1	86·2	+ 0·2	1260	+ 36	3	+3	44	− 6	9·28	237	+ 29	5·6	+0·4	34	1012
2. ENGLAND, N.E.	87	35	92·3	83·9	87·8	+ 0·6	1512	+108	0	0	46	+ 2	8·29	209	+ 29	5·9	+0·2	37	1013
3. ENGLAND, EAST ...	93	40	93·6	85·0	89·0	+ 0·8	1714	+138	0	0	45	+ 3	9·25	236	+ 73	6·7	+0·3	43	1014
4. MIDLAND COUNTIES ...	89	36	93·3	84·0	88·3	+ 0·5	1599	+ 85	0	0	47	+ 5	9·58	244	+ 63	5·7	−0·1	37	1013
5. ENGLAND, S.E.	90	36	93·2	85·2	88·9	+ 0·3	1697	+ 54	0	0	45	+ 5	11·63	295	+135	6·6	−0·2	43	1014
Western.																			
6. SCOTLAND, WEST ...	81	32	91·4	83·2	87·0	+ 0·5	1387	+ 74	0	0	47	− 4	10·56	269	− 4	6·1	+0·5	38	1012
7. ENGLAND, N.W.	82	36	91·9	84·1	87·8	+ 0·5	1508	+ 71	0	0	45	− 2	10·41	265	+ 34	6·4	+0·6	40	1013
8. ENGLAND, S.W.	86	35	91·7	84·6	87·9	+ 0·1	1536	+ 14	0	0	50	+ 4	11·99	307	+ 85	6·2	−0·2	40	1014
9. IRELAND, NORTH ...	76	32	90·6	83·4	86·8	+ 0·2	1352	+ 33	0	0	59	+ 1	10·98	280	+ 34	5·4	+0·6	34	1012
10. IRELAND, SOUTH ...	77	38	91·7	84·2	87·7	+ 0·2	1498	+ 30	0	0	58	+ 8	12·68	321	+ 80	5·6	+0·3	36	1013
11. ENGLISH CHANNEL ...	83	48	92·2	86·0	88·9	+ 0·2	1696	+ 29	0	0	44	0	8·79	225	+ 59	7·3	−0·4	48	1015

THE YEAR 1917.—Aggregates, &c., for the Period of 35 Weeks, December 31st, 1916, to September 1st, 1917.

0. SCOTLAND, NORTH ..	81	10	83·7	77·6	80·5	− 0·3	1548	+ 6	684	+145	152	− 9	24·22	614	−178	3·8	+0·2	28	1013
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·2	76·7	80·3	− 0·8	1635	−103	884	+267	124	−14	18·95	485	− 16	4·1	−0·2	30	1014
2. ENGLAND, N.E.	87	5	85·0	77·9	81·3	− 0·6	1999	+ 22	781	+309	126	+ 2	17·43	443	+ 41	4·3	−0·3	32	1014
3. ENGLAND, EAST ...	93	5	85·9	78·4	82·0	− 0·6	2306	+ 32	786	+292	119	− 1	17·10	437	+ 58	4·8	−0·2	36	1014
4. MIDLAND COUNTIES ...	89	4	86·0	77·8	81·7	− 0·7	2221	− 15	831	+309	117	− 2	19·16	489	+ 60	4·0	−0·5	31	1014
5. ENGLAND, S.E.	90	4	86·0	78·8	82·3	− 0·8	2328	− 83	693	+314	111	− 5	20·51	522	+113	4·9	−0·3	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·9	78·0	81·3	− 0·6	1861	− 42	663	+247	126	−19	23·29	593	−137	4·3	−0·1	32	1014
7. ENGLAND, N.W.	82	5	85·1	78·3	81·6	− 0·8	2043	− 19	703	+321	118	−12	21·38	545	− 5	4·5	−0·1	34	1014
8. ENGLAND, S.W.	86	4	85·5	78·8	82·0	− 1·0	2144	−126	619	+318	121	− 8	23·51	598	+ 12	5·0	0·0	38	1015
9. IRELAND, NORTH ...	76	7	84·9	78·5	81·5	− 0·8	1878	− 94	536	+196	147	−13	23·12	591	− 20	3·9	−0·1	29	1014
10. IRELAND, SOUTH ...	77	9	85·9	79·1	82·4	− 0·7	2198	− 82	501	+241	141	+ 1	24·76	630	− 7	4·4	−0·1	33	1015
11. ENGLISH CHANNEL ...	83	22	86·1	80·6	83·3	− 0·9	2409	−181	347	+242	120	−13	19·79	504	+ 33	5·6	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : September 6th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 141

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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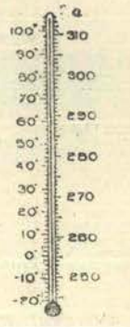
FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 36.

THE THIRTY-SIXTH WEEK OF 1917.
SUNDAY, SEPTEMBER 2ND, TO SATURDAY, SEPTEMBER 8TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Throughout this period the distribution of pressure underwent considerable daily variations, owing to the irregular shifting about of anticyclonic and cyclonic systems in our neighbourhood. The pressure gradients, however, were as a rule slight so that the wind, which varied greatly in direction, seldom exceeded the force of a moderate breeze.



Along the coast the temperature of the sea water was much about the same as in the preceding week, being rather above the normal locally in the north, and about 1 a. below along the Channel. There was a slight deficiency in the week's mean air temperature in the English Channel, but all other districts returned an excess, ranging from ½ a. in England, South-West, to 1½ a. in England, North-East. The maximum readings frequently exceeded 294 a., and reached 298 a. at Hereford. There were very few night values below 280 a., though Rhayader sank to 275 a. on the 8th. On the other hand many of the minima were above 286 a., and between the 5th and 7th several southern stations registered as high as 288½ a. or 289 a.

Rainfall in the outer northern islands was considerably in excess of the normal, while the mainland regions, including the North of Scotland, had a marked deficiency. Many districts received less than half the usual quantity, England, North-West, 12 per cent., and England, North-East, 9 per cent. of the normal. Records of more than 10mm. in a day were uncommon, but Lerwick had 27mm. on the 4th, and during a severe thunderstorm over the metropolitan area late on the 5th the precipitation ranged between 10mm. and 29mm. This thunderstorm was experienced at numerous stations in the South-East quarter of England, the only other thunderstorm occurring at Rounton on the 2nd.

The duration of bright sunshine exceeded the normal over Eastern, Central and Southern England and the English Channel, while it was deficient over Scotland, Ireland and North-West England.

An aurora (moderately faint, glow and arch) was observed at Aberdeen on the 8th; solar and lunar halos at various other places on other days.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	16	3·9	16	2·8	15	2·2	11	1·6	17	3·2	13	2·8	19	2·9	17	3·8
North	8	2·4	2	1·5	6	2·3	4	2·6	8	2·4	13	3·0	1	4·0	0	—
West	16	3·4	17	4·1	14	3·5	11	2·8	22	4·2	10	3·3	12	6·5	6	4·2
East	9	4·0	3	2·2	10	3·6	5	2·4	4	2·2	10	2·0	7	2·1	11	2·9
Calm	2	—	7	—	1	—	9	—	2	—	0	—	5	—	3	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Heavy	Light	Light	Moderate	Light	Light	Light	Light	Light	Light	Light	Moderate
	Sunshine ...	Scanty	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 1 week from Sept. 2nd, 1917.	Warmth ...	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0
	Rainfall ...	1, 0, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0
	Sunshine ...	0, 0, 1	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(13269—19.) Wt. 153—442. 450. 9/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick	54	60	6th	49	3,4	56·4	50·3	53·2	+ 1·8	6	2·09	53	+ 35										
p Deerness	160	62	4th	49	3rd	58·3	51·6	54·8	—	4	1·34	34	+ 17	Deerness ..	1·3	- 2·7	10	*	*	*	*	*	*
a Stornoway	51	63	4,5	44	2nd	60·7	49·4	54·8	+ 2·0	6	1·15	29	+ 6	Stornoway ..	2·4	- 2·0	18	*	*	*	*	*	*
a Castlebay, Barra Isd.	37	64	5th	49	3rd	60·4	53·6	56·8	+ 3·0	5	0·66	17	—	Castlebay ..	3·3	—	24	*	*	*	*	*	*
b, Mainland. *a* Wick	81	65	4th	44	3rd	59·0	49·7	54·1	+ 1·4	6	1·00	25	+ 10	Fort Augustus..	2·5	- 1·0	18	*	*	*	*	*	*
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	67	6th	45	2,3	60·0	48·3	53·9	+ 1·4	5	1·77	45	+ 1										
p Fort Augustus.. ..	68	68	6th	43	3rd	62·6	50·9	56·5	+ 2·7	4	0·72	18	- 2										
p Fort William	171	68	4th	48	2,3,6	63·1	50·0	56·2	+ 1·7	5	1·07	27	- 10										
1. SCOTLAND, E.																							
a Nairn	82	69	4th	42	3rd	62·9	47·0	54 6	+ 0·9	4	0·48	12	+ 2	Nairn	3·3	—	24	*	*	*	*	*	*
p Gordon Castle	101	70	4th	41	2nd	65·7	47·6	56·2	+ 2·1	4	0·42	11	- 1	Gordon Castle..	3·2	—	24	*	*	*	*	*	*
a Aberdeen	46	69	4th	44	2nd	63·9	48·7	55·9	+ 1·9	4	0·35	9	- 1	Aberdeen ..	3·9	- 0·9	29	0	34	*	*	54·5	+1·1
a Balmoral	930	68	5th	37	2nd	62·7	42·1	51·9	+ 1·9	4	0·22	6	- 5	Balmoral	*	*	*	0	33	*	*	*	*
p Crieff	432	67	5,7	40	6th	63·6	46·0	54·4	- 0·2	4	0·29	7	- 7	Crathes	3·4	- 1·1	25	0	33	57·0	+2·0	55·9	+1·2
a Dundee	244	69	7th	39	3rd	65·0	46·7	55·4	—	3	0·15	4	- 6	Dundee	4·3	—	32	0	32	55·6	*	*	*
a Leith	18	66	4,7	46	3rd	63·7	50·1	56·6	+ 0·8	3	0·09	2	- 7	Leith	*	*	*	0	39	*	*	*	*
a Edinburgh	441	66	4,7	48	3,8	62·9	50·4	56·4	—	0	0·00	0	- 9	Edinburgh ..	4·1	- 0·1	31	0	40	*	*	*	*
a West Linton	769	67	5th	44	2, 5, 6, 8	62·4	45·4	53·5	+ 2·4	2	0·16	4	—	West Linton ..	3·9	—	29	0	37	*	*	*	*
p Marchmont	498	69	4th	44	3rd	64·7	47·3	55·6	+ 2·0	2	0·12	3	- 8	Marchmont ..	4·8	+ 0·6	36	0	37	*	*	*	*
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	70	5th	46	2,8	62·2	50·5	56·1	—	5	1·42	36	—	Ford (Argyll) ..	*	*	*	0	35	58·8	*	57·4	*
p Glasgow Observatory	180	67	5th	49	3rd	62·3	52·1	57·0	+ 2·5	2	0·22	6	- 12	Glasgow.. ..	3·6	- 0·4	27	0	37	*	*	*	*
p Rothesay	170	66	5th	45	4th	61·8	49·9	55·5	+ 0·6	5	0·61	16	- 8	Rothesay ..	2·9	—	22	0	41	57·0	*	56·0	+1·4
a Kilmarnock	90	75	5th	47	3rd	66·0	51·1	58·2	+ 4·4	3	0·35	9	- 10	Kilmarnock ..	3·7	—	28	*	*	56·9	*	55·5	*
a Colmonell	170	71	5th	47	8th	65·0	52·3	58·4	+ 4·0	5	0·36	9	- 11	Colmonell ..	*	*	*	0	44	*	*	*	*
p Cally, Gatehouse ..	120	70	5,7	45	8th	65·3	49·9	57·2	+ 3·5	3	0·40	10	- 12	Dumfries ..	4·1	—	31	0	40	57·8	*	58·1	*
a Dumfries	160	71	5th	46	8th	63·9	50·6	56·9	+ 1·6	3	0·11	3	- 13	Eskdalemuir ..	3·5	—	26	0	34	*	*	*	*
a Eskdalemuir	794	65	7th	40	8th	61·0	46·4	53·4	—	3	0·32	8	—										
b, I. OF MAN *p* Douglas	277	66	5th	49	8th	62·7	52·7	57·5	+ 2·2	3	0·08	2	- 17	Douglas	5·0	- 0·8	37	0	45	*	*	*	*
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	71	4th	44	5th	65·9	49·3	57·2	+ 2·6	0	0·00	0	- 14										
a Tynemouth	71	67	4th	50	2,3,8	63·0	51·6	57·0	+ 1·8	0	0·00	0	- 11	Cockle Park ..	6·5	+ 1·7	49	0	41	54·8	+1·6	*	*
p Durham	336	70	6,7	45	8th	66·3	49·3	57·4	+ 2·3	3	0·09	2	- 9	Durham	6·0	+ 1·6	45	0	40	*	*	*	*
a North .. *p* Rounton	249	70	5th	46	2,3	67·1	48·3	57·3	+ 2·7	2	0·21	5	- 6	Rounton	*	*	*	0	37	57·7	*	*	*
a West Witton	605	72	4th	45	8th	66 9	49·0	57·5	—	4	0·65	1	—	West Witton ..	*	*	*	0	39	57·0	*	55·0	*
p Scarborough	100	69	6th	50	8th	67 6	53·4	60·2	+ 3·4	1	0·12	3	- 8	Scarborough† ..	7·1	+ 2·1	53	*	*	*	*	51·5	*
p York	56	71	4th	48	8th	68·4	51·0	59·3	+ 2 6	1	0·01	0	- 10	York	6·1	+ 1·6	46	*	*	59·0	+1·8	57·9	+1·1
b, South .. *a* Spurn Head	26	70	8th	53	2nd	65·0	55·3	59·9	+ 2·3	1	0·04	1	- 8	Spurn Head ..	5·1	—	38	*	*	*	*	*	*
a Lincoln	58	73	5th	49	3,8	69·9	52·1	60·6	+ 3 3	0	0·00	0	- 10	Lincoln	*	*	*	*	*	58·9	+1·2	58 9	+1·8
a Fulbeck	180	72	6-8	48	3, 4, 8	69·9	50·7	59·8	+ 2·5	3	0·04	1	- 9	Rauceby ..	7·6	+ 2·2	57	*	*	59·9	+0·3	58·0	-0·2
														Skegness ..	8·3	+ 2·6	62	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	75	6th	50	2,3	67·9	53·6	60·4	+ 2·2	4	0·13	3	- 8	Cromer	9·2	+ 4·0	69	*	*	*	*	*	*
p Little Massingham ..	280	74	6th	46	3rd	68·9	49·1	58·5	+ 1·3	1	0·38	10	- 5	Lit. Massingham	7·9	+ 3·0	59	0	45	*	*	*	*
a Yarmouth	13	69	6,7	49	3rd	67·0	53·4	59·9	+ 1·8	1	0·12	3	- 10	Yarmouth ..	9·1	—	68	0	38	61·0	+0·6	60·0	-0·8
a Norwich	93	74	6th	48	4,8	69·2	51·7	60·0	+ 2·1	2	0·42	11	- 3	Norwich ..	8·5	—	61	0	40	60·1	*	*	*
a Geldeston	37	73	8th	45	4th	70·7	49·6	59·7	+ 1·8	4	0·27	7	- 5	Geldeston ..	8·3	+ 3·0	62	*	*	*	*	*	*
p Cambridge	41	73	8th	46	8th	69·9	50·9	59·9	+ 1·9	1	0·01	0·3	- 11	Cambridge ..	7·5	+ 2·3	56	0	40	60·7	+1·4	59·7	+0·4
a Clacton-on-Sea ..	54	70	7th	49	3rd	66·4	54·6	60·2	+ 1·5	2	0·24	6	- 5	Clacton	8·9	+ 2·6	68	0	45	60·6	+1·1	59·8	+0·2
a Rothamsted	424	70	4, 6, 8	45	4th	68·1	50·7	59·0	+ 2·1	4	0·33	8	- 5	Rothamsted ..	6·9	+ 1·8	53	0	40	58·3	*	*	*
p Tottenham	51	73	8th	48	4th	69·7	52·9	60 9	+ 2·3	2	0 86	22	—	Tottenham ..	6·7	—	51	0	44	*	*	59 9	-1·3
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	70	4th	48	3, 5, 8	66 0	49·6	57·4	+ 2·3	1	0·01	0·2	- 13	Harrogate ..	6·2	+ 1·5	47	0	43	56 4	+1·5	56·1	+1·3
p Sheffield	429	71	5, 8	49	4, 8	68·6	51 9	59·9	/—	0	0·00	0	—	Sheffield.. ..	6·6	+ 2·3	50	0	39	58·2	+1·5	56·5	+0·4
p Buxton	987	67	6, 8	44	4th	63·0	48·1	55·2	+ 0·3	3	0·09	2	- 19	Buxton	6·6	—	50	0	40	56·0	+0·2	56·1	+1·2
a Bawtry	65	73	5th	45	5, 8	69·4	49·3	58·9	+ 2·2	0	0·00	0	- 10	Worksop ..	6·3	+ 2·1	47	0	38	58·2	*	57·0	*
a Nottingham	82	72	5th	44	4th	68·7	49·6	58·7	+ 1·8	1	0·01	0·3	- 11	Nottingham ..	6·1	+ 1·5	48	0	40	58·4	+1·7	58 3	+0·3
b, East .. *p* Birmingham, Edgbsn.	535	72	5, 6	46	8th	68·1	51·1	59 2	+ 2·4	1	0·05	1	- 11	Birmingham ..	6·6	+ 2·6	50	0	34	54·9	+0·6	53·5	-0·2
a Raunds	203	74	6, 8	45	8th	71·4	49 9	60·1	+ 2·2	2	0·35	9	- 2	Raunds	*	*	*	0	35	61·4	*	58·0	*
p Oxford	208	72	5, 6	47	4th	69·7	51·6	60·2	+ 2·4	3	0·23	6	- 5	Oxford	8·0	+ 2·8	61	0	40	*	*	*	*
c, West .. *a* Cheadle (N. Staffs.) ..	646	71	8th	43	8th	67·3	48·9	57 7	+ 2·2	1	0·14	4	- 12	Cheadle	*	*	*	0	38	*	*	*	*
p Shrewsbury	191	72	5th	37	8th	68·7	47·9	57·8	+ 1·2	1	0·02	1	- 10	Shrewsbury ..	*	*	*	1	30	*	*	*	*
a Hereford§	291	77	7th	40	8th	70·1	47·7	58·4	+ 1·6	2	0·44	11	0	Malvern§ ..	7·2	—	55	0	34	59·2	*	58·8	*
a Clifton	229	73	7th	49	8th	69·4	52 6	60·6	+ 1·5	3	0·49	12	- 9	Clifton	8·2	—	63	0	47	*	*	*	*
5. ENGLAND, S.E.																							
a Marlborough	424	71	6th	43	3rd	68·7	47·9	57·8	+ 2·0	2	0·10	3	- 13	Worthing	7·0	+ 0·9	53	0	44	61·3	+0·5	60·4	-0·1
p Salisbury (Wilton) ..	180	73	8th	40	5th	70·0	47·6	58·3	+ 0 8	2	0·23	6	- 10	Marlborough ..	8·0	+ 3·2	61	0	37	58·6	*	57·0	*
a Wisley, Surrey ..	150	73	5, 8	44	4th	69·4	50 4	59·4	+ 1·7	3	0·57	15	0	Salisbury	*	*	*	0	41	61·1	*	*	*
a Tunbridge Wells ..	354	72	5th	45	3rd	68·7	51·0	59·4	+ 1·4	2	0·49	12	- 4	Wisley	7·3	+ 2·0	56	0	36	60·3	+1·0	58·9	-0·7
a Margate	53	71	8th	52	2, 3	67·3	55·9	61·3	+ 1·3	2	0·31	8	- 6	Tunbridge Wells	6·9	+ 1·2	53	0	37	60·6	+0·6	59·8	*
														Margate	8·6	+ 3·0	66	0	43	62·2	+2·8	61·9	+2·8
a Dungeness	21	68	5, 7	50	3rd	65·7	55·4	60·3	+ 0·9	2	0·16	4	- 10	Dover	7·7	—	59	*	*	*	*	*	*
p St. Leonards	178	71	5, 7	52	4th	67·1	55·3	60·9	+ 1·4	2	0·26	7	- 10	St. Leonards ..	6·7	+ 0·7	51	0	46	61·9	*	60·9	*
p Southampton	64	71	8th	47	3rd	68·1	52·1	54·7	0·0	3	0·12	3	- 13	Southampton ..	7·6	+ 1·9	58	0	37	*	*	*	*
a Ventnor	59	69	7th	53	4th	66 7	56·1	61·2	+ 0·7	4	0 10	3	- 14	Ventnor	6·7	+ 0 9	51	*	*	*	*	*	*
LONDON. *p* Richmond (Kew Obs.)	18	72	5th	46	4th	69·1	52·7	60·5	+ 2·0	3	0 69	17	+ 3	Richmond	6 4	+ 1·3	49	0	36	59·5	+0·3	58·3	-0·1
a Westminster	27	75	8th	50	3, 4	71·1	54·1	62 2	+ 2·6	3	1 41	36	+ 23	Westminster ..	6 5	+ 2·0	50	0	43	*	*	*	*
ag Greenwich	155	75	8th	45	4th	71·6	51·1	60·9	+ 1·5	3	0·70	18	+ 7	Greenwich ..	7·1	+ 1·3	54	0	35	*	*	*	*
a Hampstead	450	71	4, 8	47	3rd	68 2	51·4	59·4	—	2	1 14	29	—	Hampstead ..	7·1	—	54	0	36	*	*	*	*
ag Camden Square ..	110	75	4, 5, 8	46	4th	72 7	53·3	62·5	+ 2·5	3	1·23	31	+ 17	Camden Square	5·9	+ 1·5	46	0	37	*	*	*	*
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	69	5th	48	8th	63·7	51·6	57 4	+ 2·3	5	0·15	4	- 15	Aspatria.. ..	4·0	- 1·1	30	0	46	56·2	*	55·0	*
p Newton Rigg	559	69	4th	42	8th	65·1	48·9	56·6	+ 2·6	5	0·69	2	- 14	Newton Rigg ..	4·9	0·0	37	0	37	57·2	+1·0	55·4	0·0
p Stonyhurst	377	69	5th	47	3, 8	64·9	50·6	57·4	+ 2·2	3	0 10	3	- 19	Stonyhurst ..	4·5	- 0·3	34	0	40	*	*	*	*
p Blackpool	66	69	4, 5	44	8th	65·3	52·9	58·8	+ 2·4	2	0 03	1	- 15	Blackpool ..	4·4	- 1·1	33	0	38	58·9	*	56·8	*
a Southport	37	71	5th	45	8th	65·7	52·0	58·5	+ 2·1	1	0 02	0·4	- 16	Southport ..	5·6	+ 0·2	42	0	37	59·6	+0·9	59·6	+0·2
														Hoylake ..	5·4	+ 0·2	41	*	*	*	*	*	*
a Liverpool (Bidston) ..	188	69	4th	46	8th	65·4	52·0	58·4	+ 1·4	1	0·04	1	- 13	Liverpool ..	5·4	—	41	0	40	*	*	*	*
a Hawarden Bridge ..	22	71	8th	41	8th	67·3	50·9	58·7	+ 1·3	0	0·00	0	- 11	Manchester(City)	5·0	+ 1·0	38	0	43	59·6	+2·5	60·4	+1·9
p Manchester (Whit. Pk.)	125	73	5th	45	8th	68·9	51·6	59·8	+ 2 5	2	0·05	1	- 13	Whitworth Park	5 0	+ 1·0	38	*	*	*	*	*	*
b, NORTH WALES.																							
p Llandudno	16	68	5th	46	8th	64·7	52·6	58·4	+ 0·6	2	0·02	1	- 12	Llandudno ..	5·3	- 0·3	40	*	*	*	*	*	*
a Holyhead	15	70	4th	51	8th	64·1	54·3	59·0	+ 1·9	2	0·31	8	- 7	Holyhead ..	4·5	—	31	0	42	*	*	*	*
p Bettws-y-Coed ..	148	70	4, 5	40	8th	65·7	48·6	56·7	+ 1·0	4	0·09	2	—	Bettws-y-Coed.	4·9	—	37	*	*	55·3	+0·7	54·0	-0·8
p Aberdovey	22	71	4th	50	8th	65 1	55·4	60·0	—	3	0·67	17	—	Aberdovey ..	4·6	- 1 2	35	*	*	*	*	*	*

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	71	4th	48	4th	63·7	54·1	58 7	—	3	0·53	13	—	Aberystwyth ..	3·9	- 1·3	29	*	*	*	*	*	*
a Rhayader	757	67	6th	36	8th	64 0	47·9	55·6	—	2	0·70	18	—	Rhayader ..	5·7	—	43	1	30	*	*	*	*
a St. Ann's Head	149	64	4th	51	8th	61·4	54·4	57·7	+ 0·1	3	0·43	11	- 5	St, Ann's Head	6·1	+ 0·8	47	*	*	*	*	*	*
p Cardiff	202	70	4, 7	47	8th	67·3	51·1	58 8	+ 0·7	3	0·17	4	- 15	Cardiff	7·3	—	56	0	40	59·8	+1·3	58·2	-0·6
b, ENGLAND, S.W.																							
a Bath	66	73	6th	47	4, 8	69·7	51·9	60·4	+ 2·7	2	0·40	10	- 3	Bath	*	*	*	*	*	62·3	+1·2	60·6	-0·3
a Shaftesbury	722	70	8th	47	3rd	66·4	50·3	58·0	+ 1·0	2	0·39	10	- 4	Shaftesbury ..	*	*	*	*	*	58·9	*	58·1	*
a Arlington	613	67	4, 5	45	6, 8	65·1	48·9	56·6	+ 0·3	3	0·30	8	- 16										
a Newquay	190	65	3, 4	49	3rd	62·6	53·0	57·6	- 1·0	2	0·17	4	- 11	Newquay ..	6·9	+ 1·1	53	0	47	60·3	*	58·6	*
a Cullompton	202	72	6-8	45	6th	69·7	49·3	59·0	+ 1·7	3	0·14	4	- 10	Cullompton ..	7·3	+ 2·1	56	0	41	59·5	*	*	*
a Portland Bill	19	70	7th	53	6th	64·4	56·0	60·0	+ 0·7	3	0·24	6	- 5	Weymouth ..	7·2	—	55	*	*	*	*	*	*
p Plymouth	116	69	6th	49	3, 4	66·2	51·9	58·8	+ 0·1	2	0·13	3	- 12	Plymouth ..	7·7	+ 2·0	59	0	44	60·2	- 0·2	59·0	*
a Falmouth	167	68	8th	51	3rd	63·4	52·9	57·9	- 0·4	3	0·18	5	- 12	Falmouth ..	7·1	+ 1·3	54	0	42	62·1	*	61·2	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	66	6th	50	2nd	62·1	52·6	57·1	+ 1·7	5	0·22	6	- 10	Malin Head ..	3·8	—	28	*	*	*	*	*	*
a Blacksod Point ..	327	63	5th	50	2nd	60·9	52·7	56·6	+ 0·4	7	0·54	14	- 8	Markree Castle	3·1	- 1·1	24	0	42	58·5	*	56·5	*
p Markree Castle ..	122	68	6th	44	6th	65·1	50·3	57·3	+ 2·9	7	0·43	11	- 9										
b, East .. { *p* Armagh	196	69	6th	49	2nd	66·0	51·4	58·4	+ 3·5	6	0·19	5	- 10	Armagh	4·3	- 0·2	33	0	43	57·1	- 0·4	55·8	- 1·3
a Donaghadee	101	65	8th	50	2, 3, 8	61·9	52·1	56·8	+ 1 3	3	0·17	4	- 10										
10. IRELAND, S.																							
p Dublin, City	47	68	3rd	50	8th	64·9	53·3	58·8	+ 1·7	1	0·06	2	- 10	Dublin City ..	*	*	*	0	45	*	*	*	*
a Birr Castle	175	69	3rd	49	2, 6, 8	64·9	51·3	57·8	+ 2·3	4	0·40	10	- 4	Trinity Coll. ..	*	*	*	0	38	59·2	+1·3	57·5	- 0·1
a Kilkenny	212	68	3, 6	42	8th	65·9	51·1	58·1	+ 2·1	4	0·49	13	- 1	Phœnix Park ..	4·5	- 0·6	34	0	34	*	*	*	*
a Waterford	20	67	8th	46	8th	65·0	52·3	58·4	+ 1·5	2	0·18	5	- 11	Birr Castle ..	3·9	- 0 7	30	0	40	*	*	*	*
a Seskin, Carrick-on-Suir	541	66	6, 7	48	8th	64·7	50·9	57·5	—	3	0·24	6	—	Seskin	5·4	—	41	0	39	*	*	*	*
a Cahir	199	67	5th	44	8th	65·1	52·3	58·4	+ 2·1	3	0·12	3	—										
a Foynes	50	70	3rd	49	8th	65·4	52·4	58·6	+ 2·0	5	0·14	4	- 9										
a Cahirciveen (Val. Obs.)	30	64	5th	47	8th	61·6	52·7	56·9	- 0·5	5	0·43	11	- 12	Cahirciveen ..	3·5	- 1·4	26	0	43	*	*	*	*
a Killarney	174	70	7th	50	8th	67·2	53·1	59·8	+ 2·6	6	0·27	7	- 13	Ballinacurra ..	4·3	- 0·5	33	*	*	*	*	*	*
a Roche's Point	32	66	7, 8	49	6, 8	63·0	52·3	57·4	- 0·1	5	0·18	5	- 12										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	2, 3, 5, 7	51	6th	61·7	53·3	57·3	- 2·3	6	0·38	10	- 4	Scilly	8·6	+ 2 8	66	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	73	4th	50	3rd	66·7	56·0	61·1	- 0·2	2	0·39	10	- 4	St. Heliers ..	6·1	- 0·3	47	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	73	4th	52	3rd	67·1	56·3	61·4	+ 0·2	3	0·04	1	- 14	Guernsey† ..	5·7	- 0·7	44	0	44	61·3	- 1·1	60·8	- 1·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 8th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Height. Above Ground.	Height. Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	More than 17 m/s or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr Duration	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time. day.	Mid Time. hr.	Highest Gust. Speed.		Date. d.	Date. h.	Date. m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.			m/s.				
0. SCOTLAND, N.																				
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	50	96	22	0	SE.	8	6	10	—	—	—	—	
1. SCOTLAND, E.																				
Dyce	305	75	15*	—	—	—	—	1	79	88	0	—	6	8	11	14	8	11	25	
Aberdeen	153	105	52	—	—	—	—	18	95	55	0	SW. by S.	8	8	11	14	8	12	0	
Edinburgh	485	39	31	—	—	8	3	47	82	36	0	S. by W.	13	8	7	21	8	6	30	
6. SCOTLAND, W.																				
Eskdalemuir	825	50	22	—	—	8	4	46	91	27	0	SSW.	12	8	10	18	8	9	50	
Paisley	188	81	52	—	—	—	—	16	111	41	0	SW. by S.	7	8	6	16	8	6	5	
2. ENGLAND, N.E.																				
Alnwick Castle	340	70	17	—	—	—	—	7	83	78	0	SW. by W.	7	8	13	19	8	12	15	
South Shields	72	61	12	—	—	—	—	14	71	83	0	WNW.	9	2	15	16	2	14	45	
Spurn Head	66	40	‡	—	—	2	4	35	96	31	2	NNW.	12	2	13	17	2	13	0	
3. ENGLAND, E.																				
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	38	114	16	0	W.	10	2	13	—	—	—	—	
Gorleston	52	42	‡	—	—	—	—	55	105	8	0	—	9	2	13	16	2	12	40	
Shoeburyness	103	89	‡	—	—	—	—	17	85	34	32	W.	9	2	15	17	2	15	35	
4. MIDLAND COUNTIES.																				
Benson	270	84	‡	—	—	—	—	14	90	62	2	SW.	7	2	12	14	2	11	15	
5. ENGLAND, S.E.																				
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—	
Brighton	261	58	6	—	—	—	—	23	105	40	0	—	9	2	9	15	2	8	25	
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	8	85	60	15	W.	7	2	11	14	2	10	35	
7. ENGLAND, N.W.																				
Carnforth	246	56	23	—	—	—	—	18	60	75	15	W.	9	2	9	14	2	10	0	
Fleetwood (Cup Anr.) ..	109	44	—	—	—	2, 8	18	41	98	11	0	NW. by W.	17	2	10	—	—	—	—	
Southport	89	62	48	2	2	2, 8	21	59	86	0	0	W. by S.	18	2	8	24	2	8	10	
Holyhead	60	40	‡	—	—	2, 8	11	81	72	4	0	W. by N.	14	2	8	19	2	7	55	
8. ENGLAND, S.W.																				
Pendennis Castle§ .	256	65	24	—	—	—	—	42	72	48	6	ESE	9	4	11	13	2	8	55	
Plymouth	185	88	2	—	—	—	—	12	80	76	0	—	7	4	12	12	7	12	20	
Lyme Regis	556	61	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—	
10. IRELAND, S.																				
Kingstown (Cup Anr.) ..	49	27	—	—	—	2	10	40	92	25	0	WSW.	16	2	5	—	—	—	—	
Quilty	100	40	‡	—	—	2	6	94	66	12	0	—	12	2	3	19	2	2	10	
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	65	79	24	0	S.	10	8	5	21	4	5	5	
Weaver Pt.	160	30	‡	—	—	—	—	38	60	12	58	—	11	4	17	14	4	17	35	
11. ENGLISH CHANNEL.																				
Scilly	150	37	‡	—	—	—	—	23	67	78	0	WNW.	8	2	2	11	2	2	5	

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SIXTH WEEK of 1917—September 2nd to September 8th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	43	88·7	82·9	85·7	+ 1·0	90	+ 12	0	0	5	0	1·30	33	+ 10	2·1	−1·9	15	1012
Eastern.																			
1. SCOTLAND, EAST ...	70	37	90·6	81·2	85·7	+ 0·6	90	+ 6	0	0	3	− 1	0·27	7	− 4	4·0	−0·8	29	1013
2. ENGLAND, N.E.	73	44	92·4	83·7	87·8	+ 1·5	117	+ 19	0	0	1	− 2	0·06	1	− 10	6·9	+1·9	52	1015
3. ENGLAND, EAST ...	75	45	93·3	84·0	88·4	+ 1·1	125	+ 14	0	0	2	− 1	0·31	8	− 4	8·1	+2·8	61	1016
4. MIDLAND COUNTIES ...	77	37	93·5	82·9	87·9	+ 1·2	118	+ 15	0	0	2	− 1	0·17	4	− 8	6·9	+2·1	52	1016
5. ENGLAND, S.E.	73	40	93·1	84·3	88·5	+ 0·6	125	+ 8	0	0	3	0	0·30	8	− 7	7·3	+1·6	56	1017
Western.																			
6. SCOTLAND, WEST ...	75	45	90·6	83·6	86·9	+ 1·3	106	+ 16	0	0	4	0	0·44	11	− 10	4·3	−0·7	32	1014
7. ENGLAND, N.W.	73	40	91·6	83·8	87·5	+ 1·0	113	+ 13	0	0	3	− 1	0·09	2	− 14	4·8	−0·2	36	1015
8. ENGLAND, S.W.	73	36	91·8	83·8	87·6	+ 0·4	114	+ 5	0	0	3	− 1	0·31	8	− 9	6·4	+1·1	49	1016
9. IRELAND, NORTH ...	69	44	90·5	83·9	87·1	+ 1·3	107	+ 15	0	0	5	+ 1	0·33	8	− 9	3·7	−0·6	28	1013
10. IRELAND, SOUTH ...	70	42	91·2	84·3	87·6	+ 0·9	113	+ 10	0	0	4	0	0·25	7	− 10	4·1	−0·8	30	1015
11. ENGLISH CHANNEL ...	73	50	91·4	85·9	88·5	− 0·3	125	− 4	0	0	4	+ 1	0·27	7	− 7	6·8	+0·6	52	1017

THE SEASON (Autumn).—Aggregates, &c., for the Period of 1 Week, September 2nd to September 8th, 1917.

0. SCOTLAND, NORTH ...	68	43	88·7	82·9	85·7	+ 1·0	90	+ 12	0	0	5	0	1·30	33	+ 10	2·1	−1·9	15	1012
Eastern.																			
1. SCOTLAND, EAST ...	70	37	90·6	81·2	85·7	+ 0·6	90	+ 6	0	0	3	− 1	0·27	7	− 4	4·0	−0·8	29	1013
2. ENGLAND, N.E.	73	44	92·4	83·7	87·8	+ 1·5	117	+ 19	0	0	1	− 2	0·06	1	− 10	6·9	+1·9	52	1015
3. ENGLAND, EAST ...	75	45	93·3	84·0	88·4	+ 1·1	125	+ 14	0	0	2	− 1	0·31	8	− 4	8·1	+2·8	61	1016
4. MIDLAND COUNTIES ...	77	37	93·5	82·9	87·9	+ 1·2	118	+ 15	0	0	2	− 1	0·17	4	− 8	6·9	+2·1	52	1016
5. ENGLAND, S.E.	73	40	93·1	84·3	88·5	+ 0·6	125	+ 8	0	0	3	0	0 30	8	− 7	7·3	+1·6	56	1017
Western.																			
6. SCOTLAND, WEST ...	75	45	90·6	83·6	86·9	+ 1·3	106	+ 16	0	0	4	0	0·44	11	− 10	4·3	−0·7	32	1014
7. ENGLAND, N.W.	73	40	91·6	83·8	87·5	+ 1·0	113	+ 13	0	0	3	− 1	0·09	2	− 14	4·8	−0·2	36	1015
8. ENGLAND, S.W.	73	36	91·8	83·8	87·6	+ 0·4	114	+ 5	0	0	3	− 1	0·31	8	− 9	6·4	+1·1	49	1016
9. IRELAND, NORTH ...	69	44	90·5	83·9	87·1	+ 1·3	107	+ 15	0	0	5	+ 1	0·33	8	− 9	3·7	−0·6	28	1013
10. IRELAND, SOUTH ...	70	42	91·2	84·3	87·6	+ 0·9	113	+ 10	0	0	4	0	0·25	7	− 10	4·1	−0·8	30	1015
11. ENGLISH CHANNEL ...	73	50	91·4	85·9	88·5	− 0·3	125	− 4	0	0	4	+ 1	0·27	7	− 7	6·8	+0·6	52	1017

THE YEAR 1917.—Aggregates, &c., for the Period of 36 Weeks, December 31st, 1916, to September 8th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·8	77·8	80·7	− 0·2	1638	+ 18	684	+145	157	− 9	25·52	647	−168	3·7	+0·1	28	1013
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·4	76·8	80·4	− 0·8	1725	− 97	884	+267	127	−15	19·22	492	− 20	4·1	−0·2	30	1014
2. ENGLAND, N.E.	87	5	85·2	78·1	81·5	− 0·6	2116	+ 41	781	+309	127	0	17·49	444	+ 31	4·3	−0·3	33	1014
3. ENGLAND, EAST ...	93	5	86·1	78·6	82·2	− 0·5	2431	+ 46	786	+292	121	− 2	17·41	445	+ 54	4·8	−0·2	37	1014
4. MIDLAND COUNTIES ...	89	4	86·2	78·0	81·9	− 0·6	2339	0	831	+309	119	− 3	19·33	493	+ 52	4·1	−0·4	31	1015
5. ENGLAND, S.E.	90	4	86·2	79·0	82·4	− 0·9	2453	− 75	693	+314	114	− 5	20·81	530	+106	4·9	−0·3	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	85·0	78·1	81·4	− 0·6	1967	− 26	663	+247	130	−19	23·73	604	−147	4·3	−0·1	32	1014
7. ENGLAND, N.W.	82	5	85·3	78·5	81·8	− 0·7	2156	− 6	703	+321	121	−13	21·47	547	− 19	4·5	−0·1	34	1014
8. ENGLAND, S.W.	86	4	85·6	78·9	82·1	− 1·0	2258	−121	619	+318	124	− 9	23·82	606	+ 3	5·0	0·0	38	1015
9. IRELAND, NORTH ...	76	7	85·0	78·6	81·7	− 0·7	1985	− 79	536	+196	152	−12	23·45	599	− 29	3·9	−0·2	29	1014
10. IRELAND, SOUTH ...	77	9	86·1	79·2	82·5	− 0·7	2311	− 72	501	+241	145	+ 1	25·01	637	− 17	4·3	−0·2	33	1015
11. ENGLISH CHANNEL ...	83	22	86·3	80·8	83·4	− 0·9	2334	−185	347	+242	124	−12	20·06	511	+ 26	5·7	−0·2	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: September 13th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF: 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 37.

THE THIRTY-SEVENTH WEEK OF 1917.

SUNDAY, SEPTEMBER 9TH, TO SATURDAY, SEPTEMBER 15TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Pressure was high throughout the week at the Azores, the anticyclone spreading at times to the south of England. A succession of depressions passed from the Iceland region eastwards to Scandinavia and led to a westerly type of conditions being maintained over most of the country throughout the week. Less rain fell than might have been expected from these pressure conditions, the total fall in the southern half of the country being decidedly below normal. On Thursday, the 13th, rain fell generally over the whole country, and on this day heavy falls were experienced at a good many northern stations, the largest being 29mm. at Lancaster, and 27mm. at Fort William and Stonyhurst. Apart from these there were few heavy falls in one day. Thunderstorms were reported from several stations in London and the south-east of England on the 11th. In Scotland North and Ireland North the rainfall for the week amounted to 180 per cent. of the normal, while in England East only 2mm. fell, 22 per cent. of the normal.

Sea temperature again had not changed much from the preceding week, being somewhat above normal in the north and below in the south. Air temperature was moderate in all districts. Afternoon maxima ranged up to 298 a. at Jersey on the 11th and to about 294 a. in most other districts. Temperature in the screen fell to 271·5 a. at Balmoral on the night of the 9th, and to below 275 a. at several other stations on various dates.

Bright sunshine was variable in amount, being abundant in the north-east of the British Isles and somewhat deficient in the west. In Scotland East the average daily duration of sunshine was 6·3 hr., the normal for the time of year being 4·2 hr.

An aurora was observed from Seskin, Carrick-on-Suir on the evening of the 13th. Halos were reported at several stations on the 9th, 11th and 12th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 24.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	13	4·0	21	3·6	12	1·8	13	1·7	10	4·1	6	1·7	12	3·2	8	4·5
North	11	2·5	2	1·9	11	2·2	5	2·2	10	2·6	18	2·9	9	3·1	10	4·3
West	27	4·7	25	4·7	19	3·1	14	2·5	19	4·9	18	4·7	22	5·6	14	3·5
East	0	—	0	—	7	2·9	4	2·6	4	1·6	7	1·4	6	3·1	3	1·7
Calm	1	—	3	—	1	—	10	—	1	—	0	—	0	—	8	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Moderate	Light	Light	Moderate	Light	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Abundant	Very abundant	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN, 2 weeks from Sept. 2nd, 1917.	Warmth ...	1, 1, 0	0, 2, 0	1, 1, 0	1, 1, 0	1, 1, 0	0, 2, 0	1, 1, 0	1, 1, 0	0, 2, 0	1, 1, 0	1, 1, 0	0, 2, 0
	Rainfall ...	2, 0, 0	0, 1, 1	0, 0, 2	0, 1, 1	0, 1, 1	0, 0, 2	0, 1, 1	0, 1, 1	0, 1, 1	1, 0, 1	0, 1, 1	0, 2 0
	Sunshine ...	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1	1, 1, 0	0, 2 0	0, 2, 0	1, 0, 1	0, 2, 0	0, 1, 1	0, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(13349—19.) Wt. 153—442. 450. 9/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a, Islands .. *a* Lerwick	54	57	10, 11	45	13th	55·3	47·6	51·3	+ 0·2	6	1·93	49	+ 32										
p Deerness	160	60	10th	47	14th	57·3	49·4	53·2	—	5	0·98	25	+ 9	Deerness ..	4·8	+ 0·9	37	•	•	•	•	•	•
a Stornoway	51	59	11, 15	47	14th	57·6	49·4	53·3	+ 0·9	6	1·34	34	+ 12	Stornoway ..	3·9	- 0·4	30	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	59	11th	50	14th	57·3	52·1	54·6	+ 1·4	6	0·63	16	—	Castlebay ..	3·7	—	29	•	•	•	•	•	•
b, Mainland. *a* Wick	81	62	11th	44	10, 14	57·6	46·6	51·8	- 0·5	5	0·91	23	+ 9	Fort Augustus..	4·8	+ 1·4	37	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	57	10, 11, 15	37	10th	56·0	45·7	50·6	- 1·4	6	1·68	43	+ 1										
p Fort Augustus.. ..	68	62	9th	34	10th	60·0	46·1	52·7	- 0·4	6	1·22	31	+ 12										
p Fort William	171	64	9th	35	10th	60·7	46·3	53·2	- 0·7	6	1·85	47	+ 12										
1. SCOTLAND, E.																							
a Nairn	82	65	10th	35	14th	61·7	43·1	52·0	- 1·0	6	0·65	17	+ 5	Nairn	6·9	—	53	•	•	•	•	•	•
p Gordon Castle	101	65	10th	40	10th	62·0	46·3	53·8	+ 0·3	5	0·82	21	+ 8	Gordon Castle..	6·0	—	46	•	•	•	•	•	•
a Aberdeen	48	66	11, 15	42	10th	63·0	46·1	54·1	+ 0·7	2	0·71	18	+ 6	Aberdeen ..	7·2	+ 2·9	55	0	34	•	•	54·3	+1·5
a Balmoral	930	66	9th	29	10th	60·4	42·1	50·8	+ 0·6	4	0·64	16	+ 4	Balmoral ..	•	•	•	1	28	•	•	•	•
p Crieff	432	68	9th	37	10th	62·6	43·9	52·8	- 1·1	5	0·50	13	- 2	Crathes ..	6·9	+ 2·9	53	1	18	55·6	+1·3	55·6	+0·9
a Dundee	244	67	9th	40	10th	62·1	45·0	53·1	—	2	0·50	13	+ 2	Dundee	5·7	—	44	0	35	55·9	•	•	•
a Leith	18	66	10th	44	10th	62·9	47·3	54·7	- 0·4	3	0·26	7	- 2	Leith	•	•	•	0	40	•	•	•	•
a Edinburgh	441	64	10th	44	10th	61·0	48·3	54·4	—	3	0·23	6	- 4	Edinburgh ..	5·2	+ 1·0	40	0	35	•	•	•	•
a West Linton	769	63	9th	32	10th	59·3	44·6	51·6	+ 1·2	4	0·64	16	—	West Linton ..	4·7	—	36	1	28	•	•	•	•
p Marchmont	498	67	10th	43	13th	62·1	45·6	53·5	+ 0·6	2	0·29	7	- 6	Marchmont ..	5·7	+ 1·5	44	0	37	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	61	11, 14	35	10th	59·4	47·1	53·0	—	6	1·69	43	—	Ford (Argyll) ..	•	•	•	1	29	57·7	•	57·2	•
p Glasgow Observatory	180	63	9th	43	10th	60·3	49·0	54·4	+ 0·8	6	0·52	13	- 1	Glasgow.. ..	4·2	+ 0·5	33	0	31	•	•	•	•
p Rothesay	170	63	9th	43	10th	59·7	48·1	53·6	- 0·5	6	1·07	27	+ 8	Rothesay ..	5·0	—	39	0	36	56·0	•	55·7	+1·8
a Kilmarnock	90	68	9th	40	10th	63·1	48·4	55·4	+ 2·4	6	0·95	24	+ 9	Kilmarnock ..	4·5	—	35	•	•	56·0	•	55·3	•
a Colmonell	170	65	9th	41	10th	61·9	50·0	55·7	+ 2·0	4	0·85	22	+ 6	Colmonell ..	•	•	•	0	37	•	•	•	•
p Cally, Gatehouse	120	69	9th	44	10th	63·9	47·6	55·4	+ 2·6	5	1·50	38	+ 21	Dumfries ..	5·3	—	41	0	39	57·3	•	58·0	•
a Dumfries	160	65	9th	46	10th	61·7	49·3	55·2	+ 0·9	3	0·53	13	+ 1	Eskdalemuir ..	4·8	—	37	0	32	•	•	•	•
a Eskdalemuir	784	63	9th	38	10th	60·9	43·4	51·8	—	4	1·11	28	—										
b, I. OF MAN *p* Douglas	277	63	9, 10	49	15th	61·0	51·1	56·8	+ 1·2	5	1·12	28	+ 14	Douglas	4·7	- 0·7	36	0	42	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	66	10, 11	39	10th	63·7	47·6	55·3	+ 1·6	2	0·09	2	- 8										
a Tynemouth	71	63	10, 14	46	12th	61·1	48·1	54·3	- 0·1	2	0·28	7	- 1	Cockle Park ..	6·4	+ 1·7	50	0	38	53·6	+1·1	•	•
p Durham	336	64	10, 12	38	10th	62·1	45·9	53·6	- 0·5	2	0·11	3	- 4	Durham ..	5·1	+ 0·8	40	0	37	•	•	•	•
a North .. *p* Rounton	249	66	11th	44	10th	62·9	46·6	54·4	+ 0·7	1	0·11	3	- 5	Rounton ..	•	•	•	0	34	57·2	•	•	•
a West Witton ..	605	67	10th	40	10th	61·7	48·3	54·7	—	1	0·27	7	-	West Witton ..	•	•	•	0	35	56·0	•	54·7	•
p Scarborough	100	66	11, 14, 15	48	9, 13	64·1	49·7	56·6	+ 0·6	3	0·14	4	- 4	Scarborough† ..	5·3	+ 0·4	41	0	•	•	•	51·5	•
p York	56	67	10th	45	12th	64·0	49·3	56·3	+ 0·6	2	0·14	4	- 3	York	4·2	- 0·2	33	•	•	58·5	+2·1	57·8	+1·6
b, South .. *a* Spurn Head	26	67	11th	51	10, 12	61·4	52·4	56·7	- 0·1	2	0·12	3	- 3	Spurn Head ..	4·6	—	36	•	•	•	•	•	•
a Lincoln	58	68	11th	44	15th	64·3	48·7	56·1	- 0·3	2	0·06	2	- 5	Lincoln	•	•	•	•	•	59·1	+2·5	58·4	+1·8
a Fulbeck	180	67	11th	41	15th	64·3	47·4	55·4	- 1·0	4	0·06	2	- 5	Rauceby	3·9	- 1·4	30	•	•	60·0	+1·6	58·0	+0·4
														Skegness ..	5·3	- 0·3	41	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	68	11th	48	15th	63·3	50·7	56·7	- 0·9	1	0·06	1	- 7	Cromer	5·0	- 0·4	39	•	•	•	•	•	•
p Little Massingham ..	280	67	10th	43	15th	63·1	46·9	54·6	- 1·8	1	0·11	3	- 7	Lit. Massingham	5·1	0·0	40	?	?	•	•	•	•
a Yarmouth	13	68	11th	47	15th	64·6	50·4	57·2	- 0·2	1	0·04	1	- 8	Yarmouth ..	6·8	—	54	0	44	61·0	+1·8	60·0	0·0
a Norwich	93	71	11th	42	15th	65·4	48·6	56·6	- 0·4	1	0·06	2	- 8	Norwich ..	5·7	—	45	0	37	60·2	•	•	•
a Geldeston	37	72	11th	42	15th	66·7	46·3	56·0	- 1·1	2	0·06	2	- 7	Geldeston ..	6·1	+ 0·6	48	•	•	•	•	•	•
p Cambridge	41	73	11th	38	15th	66·9	49·7	57·9	+ 0·8	1	0·03	1	- 7	Cambridge ..	4·9	- 0·5	39	0	31	61·2	+3·1	59·8	+1·1
a Clacton-on-Sea ..	54	68	15th	46	15th	65·1	52·1	58·3	+ 0·4	2	0·08	2	- 6	Clacton	6·6	+ 0·4	52	0	43	60·9	+2·3	60·3	+1·2
a Rothamsted	424	69	11th	45	15th	63·9	50·3	56·8	+ 0·8	1	0·04	1	- 8	Rothamsted ..	4·4	- 1·0	35	0	40	58·7	•	•	•
p Tottenham	51	70	11th	49	12th	66·4	52·7	59·2	+ 1·6	2	0·22	6	—	Tottenham ..	4·4	—	35	0	46	•	•	60·0	- 0·5
4. MIDLAND COUNTIES.																							
a Harrogate	479	65	10th	44	10, 12	61·3	48·3	54·5	+ 0·2	2	0·24	6	- 2	Harrogate ..	4·7	0·0	36	0	37	55·8	+1·1	56·1	+1·9
a North .. *p* Sheffield	429	68	11th	46	10, 15	63·1	49·9	56·2	—	1	0·13	3	—	Sheffield.. ..	3·9	- 0·4	30	0	37	57·7	+2·1	56·2	- 0·1
p Buxton	987	62	9, 11	45	10th	59·6	48·3	53·7	+ 1·1	6	0·58	15	+ 1	Buxton	3·9	—	30	0	37	56·3	+2·0	55·9	+1·5
a Bawtry	65	67	11th	39	10th	64·3	48·9	56·2	+ 0·5	1	0·04	1	- 5	Worksop	3·1	- 1·2	24	0	32	57·8	•	57·0	•
a Nottingham	82	69	11th	41	15th	64·3	47·6	55·6	- 0·4	3	0·06	2	- 5	Nottingham ..	3·2	- 1·3	25	0	36	58·1	+2·5	58·7	+1·3
b, East .. *p* Birmingham, Edgbsn.	535	68	9th	44	15th	63·6	49·6	56·3	+ 0·3	4	0·14	4	- 4	Birmingham ..	3·4	- 0·5	27	1	27	55·1	+1·5	55·8	+0·3
a Raunds	203	69	9th	37	15th	65·3	47·6	56·0	- 1·0	2	0·10	3	- 3	Raunds	•	•	•	1	27	61·4	•	58·0	•
p Oxford	208	69	10th	46	15th	64·6	51·9	58·0	+ 1·1	2	0·10	3	- 4	Oxford	4·0	- 1·2	32	0	36	•	•	•	•
a Cheadle (N. Staffs.) ..	646	66	11th	42	15th	61·9	47·9	54·6	- 0·1	3	0·25	6	- 4	Cheadle	•	•	•	0	37	•	•	•	•
c, West .. *p* Shrewsbury	191	68	9–11	40	15th	64·7	49·6	56·8	+ 1·1	3	0·07	2	- 4	Shrewsbury ..	•	•	•	1	30	•	•	•	•
a Hereford§	291	67	9, 10	40	15th	64·7	49·7	56·8	+ 1·0	4	0·38	10	+ 3	Malverns§ ..	3·9	—	31	0	33	59·8	•	59·1	•
a Clifton	229	68	10th	49	12th	64·4	54·6	59·3	+ 1·1	5	0·67	14	+ 1	Clifton	3·7	—	29	0	46	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	69	11th	44	12, 13	65·0	49·4	56·8	+ 2·0	3	0·22	6	- 2	Worthing	6·4	+ 0·2	50	0	44	61·7	+2·3	60·4	+0·6
p Salisbury (Wilton) ..	180	73	11th	45	13th	66·1	49·9	57·6	+ 1·1	3	0·15	4	- 4	Marlborough ..	3·8	- 1·0	30	0	37	59·5	•	57·0	•
a Wisley, Surrey ..	150	75	11th	46	13th	67·1	51·7	59·0	+ 2·3	3	0·13	3	- 5	Salisbury	•	•	•	0	43	61·8	•	•	•
a Tunbridge Wells ..	354	74	11th	46	13th	66·6	51·6	58·7	+ 1·6	2	0·09	2	- 7	Wisley	5·4	0·0	43	0	35	60·9	+2·8	58·9	0·0
a Margate	53	68	11th	53	9th	64·7	55·4	59·8	+ 0·6	1	0·05	1	- 7	Tunbridge Wells	5·6	- 0·2	44	0	38	61·7	+3·1	60·2	•
														Margate	6·9	+ 1·2	54	0	47	62·4	+4·2	62·0	+3·7
a Dungeness	21	67	11, 15	48	13th	65·1	54·0	59·3	+ 0·7	2	0·05	1	- 7	Dover	7·2	—	57	0	40	•	•	•	•
p St. Leonards	178	70	11th	48	13th	66·4	53·7	59·3	+ 0·6	2	0·04	1	- 8	St. Leonards ..	6·5	+ 0·4	51	0	46	62·1	•	60·7	•
p Southampton	64	72	11th	48	13th	66·4	53·8	59·1	+ 0·4	4	0·15	4	- 5	Southampton ..	5·4	- 0·4	43	0	39	•	•	•	•
a Ventnor	59	69	11th	52	12, 13	66·0	54·9	60·2	+ 0·4	1	0·02	1	- 9	Ventnor	5·2	- 0·7	41	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	72	11th	49	13th	66·6	53·6	59·8	+ 2·4	3	0·44	11	+ 4	Richmond ..	5·3	+ 0·2	42	0	36	60·8	+3·0	58·5	+0·8
a Westminster	27	72	11th	49	13th	67·4	54·2	60·5	+ 1·9	3	0·30	8	+ 1	Westminster ..	4·4	- 0·1	35	0	45	•	•	•	•
ag Greenwich	155	75	11th	48	13th	68·3	53·0	60·3	+ 2·1	3	0·30	8	- 3	Greenwich ..	5·5	+ 0·1	43	0	40	•	•	•	•
a Hampstead	450	69	11th	46	13th	63·7	50·9	57·0	—	2	0·06	2	—	Hampstead ..	4·7	—	37	0	38	•	•	•	•
ag Camden Square ..	110	74	11, 14	48	13th	70·1	52·9	61·1	+ 2·2	3	0·18	5	- 2	Camden Square	3·7	- 0·7	29	0	47	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	65	10th	45	12th	59·7	49·1	54·2	- 0·3	4	1·38	35	+ 19	Aspatria.. ..	4·8	- 0·1	37	0	41	55·7	•	55·1	•
p Newton Rigg	559	66	10th	41	10th	61·0	46·4	53·4	+ 0·1	3	0·62	16	+ 3	Newton Rigg ..	4·9	+ 0·3	38	0	38	56·9	+1·3	55·2	+0·4
p Stonyhurst	377	64	9, 10	47	10th	61·1	49·6	55·1	+ 0·5	3	1·76	45	+ 26	Stonyhurst ..	3·9	- 0·6	30	0	42	•	•	•	•
p Blackpool	66	67	10th	47	10th	62·6	53·6	57·9	+ 2·0	4	1·25	32	+ 18	Blackpool ..	5·0	- 0·1	39	0	42	58·7	•	56·7	•
a Southport	37	67	10th	47	10th	61·9	52·9	57·2	+ 1·4	4	0·93	24	+ 10	Southport ..	5·4	+ 0·4	42	0	41	58·1	+1·7	59·0	+0·9
														Hoylake ..	5·0	+ 0·2	39	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	68	10th	50	9, 15	61·3	52·0	56·4	0·0	3	0·24	6	- 6	Liverpool ..	4·8	—	37	0	42	•	•	•	•
a Hawarden Bridge ..	22	69	10th	50	10th	64·1	53·9	58·8	+ 2·1	2	0·08	2	- 7	Manchester(City)	2·9	- 0·9	23	0	40	58·9	+2·7	60·0	+2·2
p Manchester (Whit. Pk.)	125	67	10th	44	15th	63·9	50·0	56·6	0·0	2	0·39	10	- 2	Whitworth Park	3·0	- 0·8	23	0	40	•	•	•	•
6. NORTH WALES.																							
p Llandudno	16	68	10th	50	14th	61·6	53·3	57·3	0·0	3	0·18	5	- 6	Llandudno ..	3·9	- 1·3	30	•	•	•	•	•	•
a Holyhead	10	67	10th	52	14th	61·9	53·6	57·6	+ 0·8	3	0·79	20	+ 7	Holyhead ..	5·4	—	42	0	46	•	•	•	•
p Bettws-y-Coed ..	148	72	10th	46	15th	64·3	49·7	56·7	+ 1·7	4	0·74	19	—	Bettws-y-Coed.	4·0	—	31	•	•	55·7	+2·0	54·0	-0·3
p Aberdovey	22	69	10th	49	15th	64·0	54·4	59·0	—	3	0·57	14	—	Aberdovey ..	5·3	- 0·2	41	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	68	10th	45	15th	62·0	53·7	57·7	—	3	0·59	15	—	Aberystwyth	4·8	- 0·6	38	•	•	•	•	•	•
a Rhayader	767	67	10th	35	15th	61·6	47·6	54·3	—	2	0·35	9	—	Rhayader	4·4	—	35	1	28	•	•	•	•
a St. Ann's Head	149	65	11th	52	12th	60·9	54·4	57·5	+ 0·4	4	0·56	14	+ 2	St. Ann's Head	4·0	- 1·4	32	•	•	•	•	•	•
p Cardiff	202	66	10, 11	48	13th	63·6	52·4	57·7	+ 1·4	3	0·46	12	- 2	Cardiff	4·1	—	32	0	39	60·6	+3·6	58·4	+0·3
b, ENGLAND, S.W.																							
a Bath	66	69	10th	48	13th	65·7	53·1	59·1	+ 2·3	5	0·37	9	0	Bath	•	•	•	•	•	63·3	+3·3	61·2	+0·8
a Shaftesbury	722	72	11th	46	13th	64·0	51·1	57·2	+ 1·0	2	0·09	2	- 9	Shaftesbury	•	•	•	•	•	59·9	•	58·8	•
a Arlington	613	67	11th	49	13th	62·9	52·0	57·2	+ 1·6	3	0·83	21	+ 3										
a Newquay	190	64	10, 11, 15	55	9, 12, 15	61·9	55·4	58·5	+ 0·4	4	0·39	10	- 2	Newquay	3·2	- 2·6	25	0	50	60·9	•	58·7	•
a Cullompton	202	72	15th	46	13th	66·9	52·7	59·5	+ 3·0	3	0·26	7	- 3	Cullompton	2·6	- 2·6	20	0	42	60·0	•	•	•
a Portland Bill	19	64	11, 12	53	12th	62·3	56·6	59·3	+ 0·5	2	0·24	6	- 2	Weymouth	3·9	—	31	•	•	•	•	•	•
p Plymouth	116	68	11th	48	13th	64·7	54·7	59·5	+ 1·5	4	0·22	6	- 5	Plymouth	3·6	- 2·1	28	0	43	61·0	+2·0	59·0	•
a Falmouth	167	70	11th	51	13th	63·1	53·9	58·3	+ 0·6	4	0·24	6	- 7	Falmouth	3·1	- 2·7	24	0	43	62·2	•	61·0	•
9. IRELAND, N.																							
a, West *a* Malin Head	208	62	10th	47	10, 11	59·0	50·1	54·3	- 0·9	6	0·87	23	+ 10	Malin Head	3·1	—	24	•	•	•	•	•	•
a Blacksod Point	327	59	10–12, 15	46	10th	58·6	50·3	54·3	- 1·7	5	1·82	46	+ 28	Markree Castle	3·4	- 0·4	26	0	32	57·5	•	56·3	•
p Markree Castle	122	64	9th	34	10th	61·7	46·3	53·6	- 0·4	5	1·35	34	+ 18										
b, East *p* Armagh	196	65	11th	40	10th	62·1	46·7	54·0	- 0·4	3	0·76	19	+ 7	Armagh	3·7	- 0·4	29	0	35	56·5	-0·2	55·7	-0·8
a Donaghadee	101	63	13th	47	14, 15	60·7	50·4	55·3	+ 0·1	4	0·57	14	+ 3										
10. IRELAND, S.																							
p Dublin, City	47	64	10th	48	12, 15	62·0	51·0	56·2	+ 0·1	5	0·26	7	- 2	Dublin City	•	•	•	0	42	•	•	•	•
a Birr Castle	175	63	12, 14	44	10th	61·3	47·6	54·1	- 0·4	3	0·59	15	+ 4	Trinity Coll.	•	•	•	0	38	58·6	+1·5	57·4	+0·4
a Kilkenny	212	65	10, 14	44	12th	62·9	47·9	55·0	0·0	4	0·27	7	- 4	Phœnix Park	3·5	- 1·4	27	0	33	•	•	•	•
a Waterford	20	66	10th	47	15th	62·9	51·0	56·7	+ 0·7	4	0·33	8	- 5	Birr Castle	2·8	- 1·6	22	0	38	•	•	•	•
a Seskin, Carrick-on-Suir	541	67	10th	45	12, 15	62·6	48·1	55·0	—	6	0·21	5	—	Seskin	3·6	—	28	0	37	•	•	•	•
a Cahir	199	66	14th	45	11, 15	62·4	50·1	56·0	+ 0·7	6	0·37	9	—										
a Foynes	50	64	15th	48	10th	61·4	50·7	55·8	0·0	4	0·39	10	- 7										
a Cahirciveen (Val. Obs.)	30	62	9th	44	10th	60·4	49·6	54·7	- 1·9	4	0·47	12	- 7	Cahirciveen	3·9	- 0·8	31	0	42	•	•	•	•
a Killarney	174	70	14th	44	11th	64·0	50·0	56·7	+ 0·3	4	0·25	6	- 11	Ballinacurra	3·2	+ 1·4	25	•	•	•	•	•	•
a Roche's Point	32	64	10, 14	48	15th	62·3	52·0	56·9	+ 0·2	7	0·19	5	- 9										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's	131	64	10, 11	52	11th	61·7	54·3	57·8	- 1·0	4	0·28	7	- 4	Scilly	3·6	- 2·5	28	•	•	•	•	•	•
a Jersey, St. Aubins	25	77	11th	54	9, 13	67·1	56·9	61·8	+ 1·4	3	0·29	7	- 4	St. Heliers	6·3	- 0·4	50	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	75	11th	51	9th	66·4	56·3	61·4	+ 0·6	4	0·29	7	- 5	Guernsey†	5·9	- 0·8	46	0	44	62·0	+0·6	60·9	-0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 15th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
0. SCOTLAND, N.															
Deerness (Cup Anr.)**	188	16	5	—	—	12	1	99	60	8	0	NW. by W. 12	12 10	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	7	91	70	0	— 7	13 19	18	13 18 15
Aberdeen	153	105	52	—	—	13	2	30	99	32	0	N.W. by W. 12	13 19	20	13 20 25
Edinburgh	485	39	31	—	—	13, 15	3	99	47	19	0	S. by W. 13	15 21	21	15 22 0
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	13, 15	13	63	63	29	0	NW. by W. 15	13 19	24	15 18 10
Paisley	188	81	52	—	—	—	—	18	125	25	0	SW. 7	13 15	20	13 16 50
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	—	—	10	116	42	0	NW. by W. 8	14 10	16	13 19 30
South Shields	72	61	12	—	—	—	—	21	92	52	0	NW. 11	13 20	19	14 10 0
Spurn Head	66	40	‡	—	—	13, 14	5	53	89	21	0	W. 15	13 23	20	13 19 55
3. ENGLAND, E.															13 22 45
Yarmouth (Cup Anr.)	73	60	—	—	—	—	—	23	136	9	0	SW. by W. 9	13 21	—	— — —
Gorleston	52	42	‡	—	—	—	—	40	121	7	0	— 9	13 19	15	13 23 20
Shoeburyness	103	90	‡	—	—	—	—	32	91	25	20	SW. 9	13 19	17	13 19 20
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	23	95	50	0	WSW. 8	13 17	14	12 9 35
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	13	3	51	70	44	0	— 13	13 19	20	13 19 40
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	— —	— —	—	— — —
Brighton	261	53	6	—	—	—	—	—	—	—	—	— —	— —	—	— — —
Richmond (Kew Obs.)	82	65	22	—	—	—	—	10	91	67	0	SW. 6	13 16	13	13 21 40
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	28	100	31	9	SW. by S. 11	13 17	18	13 19 0
Fleetwood (Cup Anr.)	109	44	—	—	—	11, 12	21	62	50	10	25	NNW. 15	12 14	—	— — —
Southport	89	62	48	13	3	11 to 14	39	39	54	3	0	SW. by W. 20	13 17	27	13 16 50
Holyhead	60	40	‡	—	—	15	6	51	46	0	65	SW. 11	15 22	17	15 21 45
8. ENGLAND, S.W.															
Pendennis Castle§	256	65	24	—	—	13	8	32	81	47	0	WSW. 15	13 16	21	13 16 0
Plymouth	185	88	2	—	—	—	—	19	87	62	0	— 8	13 17	13	12 10 5
Lyme Regis	556	61	‡	—	—	—	—	11	20	32	105	— 10	13 19	14	13 18 30
10. IRELAND, S.															
Kingstown (Cup Anr.)	49	27	—	—	—	13	7	82	73	6	0	WSW. 16	13 18	—	— — —
Quilty	100	40	‡	—	—	13, 15	15	81	44	7	21	— 15	13 12	22	13 12 5
Cahirciveen (Val. Obs.)	98	41	‡	—	—	13, 15	5	51	71	41	0	SW. 13	13 12	18	13 12 0
Weaver Pt.	180	30	‡	—	—	13	3	45	88	32	0	— 12	13 19	21	13 13 30
11. ENGLISH CHANNEL.															
Scilly	150	32	‡	—	—	12	6	53	47	62	0	W. 12	13 16	18	13 16 35

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SEVENTH WEEK of 1917—September 9th to September 15th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	64	34	87·4	81·3	84·2	− 0·2	71	− 2	0	0	6	+ 2	1·49	38	+ 17	4·5	+0·6	35	1012
Eastern.																			
1. SCOTLAND, EAST ...	68	29	89·6	80·2	84·6	− 0·1	76	− 2	0	0	4	+ 1	0·56	14	+ 2	6·3	+2·1	48	1014
2. ENGLAND, N.E.	68	38	90·3	82·1	86·0	+ 0·2	94	+ 2	0	0	2	0	0·12	3	− 4	5·0	+0·1	39	1018
3. ENGLAND, EAST ...	73	38	91·3	82·8	86·9	+ 0·1	105	+ 1	0	0	1	− 1	0·08	2	− 7	5·4	−0·1	43	1020
4. MIDLAND COUNTIES ...	69	37	90·7	82·8	86·6	+ 0·4	101	+ 5	0	0	3	+ 1	0·20	5	− 3	3·7	−1·1	29	1020
5. ENGLAND, S.E.	75	44	91·8	84·6	88·0	+ 0·6	119	+ 8	0	0	2	0	0·13	3	− 5	5·8	0·0	45	1020
Western.																			
6. SCOTLAND, WEST ...	69	35	89·3	82·3	85·7	+ 0·5	90	+ 6	0	0	5	+ 2	1·03	26	+ 9	4·5	−0·2	34	1017
7. ENGLAND, N.W.	72	41	89·7	83·6	86·6	+ 0·4	101	+ 6	0	0	3	0	0·73	19	+ 6	4·6	−0·1	36	1019
8. ENGLAND, S.W.	72	35	90·6	84·6	87·4	+ 0·6	111	+ 7	0	0	3	0	0·36	9	− 3	3·7	−1·7	29	1021
9. IRELAND, NORTH ...	65	34	88·9	82·2	85·4	− 0·2	86	− 3	0	0	4	0	0·99	25	+ 11	3·6	−0·4	28	1018
10. IRELAND, SOUTH ...	70	44	89·8	83·0	86·2	0·0	97	0	0	0	5	+ 2	0·35	9	− 4	3·4	−1·3	26	1021
11. ENGLISH CHANNEL ...	77	51	91·4	86·2	88·7	+ 0·3	127	+ 3	0	0	4	+ 1	0·29	7	− 4	5·3	−1·4	41	1022

THE SEASON (Autumn).—Aggregates, &c., for the Period of 2 Weeks, September 2nd to September 15th, 1917.

0. SCOTLAND, NORTH ...	68	34	88·1	82·1	85·0	+ 0·4	161	+ 10	0	0	11	+ 2	2·79	71	+ 27	3·3	−0·6	25	1012
Eastern.																			
1. SCOTLAND, EAST ...	70	29	90·1	80·7	85·2	+ 0·3	166	+ 4	0	0	7	0	0·83	21	− 2	5·1	+0·6	39	1014
2. ENGLAND, N.E.	73	38	91·4	82·9	86·9	+ 0·8	211	+ 21	0	0	3	− 2	0·18	4	− 14	6·0	+1·0	46	1017
3. ENGLAND, EAST ...	75	38	92·3	83·4	87·7	+ 0·6	230	+ 15	0	0	3	− 2	0·39	10	− 11	6·7	+1·3	52	1018
4. MIDLAND COUNTIES ...	77	37	92·1	82·9	87·3	+ 0·8	219	+ 20	0	0	5	0	0·37	9	− 11	5·3	+0·5	41	1018
5. ENGLAND, S.E.	75	40	92·5	84·5	88·3	+ 0·6	244	+ 16	0	0	5	0	0·43	11	− 12	6·5	+0·8	51	1019
Western.																			
6. SCOTLAND, WEST ...	75	35	90·0	83·0	86·3	+ 0·9	196	+ 22	0	0	9	+ 2	1·47	37	− 1	4·4	−0·4	33	1016
7. ENGLAND, N.W.	73	40	90·7	83·7	87·1	+ 0·7	214	+ 19	0	0	6	− 1	0·82	21	− 8	4·7	−0·2	36	1017
8. ENGLAND, S.W.	73	35	91·2	84·2	87·5	+ 0·5	225	+ 12	0	0	6	− 1	0·67	17	− 12	5·0	−0·3	39	1019
9. IRELAND, NORTH ...	69	34	89·7	83·1	86·3	+ 0·6	193	+ 12	0	0	9	+ 1	1·32	33	+ 2	3·6	−0·6	28	1016
10. IRELAND, SOUTH ...	70	42	90·5	83·7	86·9	+ 0·4	210	+ 10	0	0	9	+ 2	0·60	16	− 14	3·7	−1·1	28	1018
11. ENGLISH CHANNEL ...	77	50	91·4	86·1	88·6	0·0	252	− 1	0	0	8	+ 2	0·56	14	− 11	6·0	−0·4	47	1020

THE YEAR 1917.—Aggregates, &c., for the Period of 37 Weeks, December 31st, 1916, to September 15th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·9	77·9	80·8	− 0·2	1709	+ 16	684	+145	163	− 7	27·01	685	−151	3·8	+0·2	28	1013
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·5	76·9	80·5	− 0·8	1801	− 99	884	+267	131	−14	19·78	506	− 18	4·1	−0·2	31	1014
2. ENGLAND, N.E.	87	5	85·4	78·2	81·6	− 0·6	2210	+ 43	781	+309	129	0	17·61	447	+ 27	4·3	−0·3	33	1014
3. ENGLAND, EAST ...	93	5	86·2	78·7	82·3	− 0·5	2536	+ 47	786	+292	122	− 3	17·49	447	+ 47	4·9	−0·1	37	1015
4. MIDLAND COUNTIES ...	89	4	86·3	78·1	82·0	− 0·6	2440	+ 5	831	+309	122	− 2	19·53	498	+ 49	4·1	−0·4	31	1015
5. ENGLAND, S.E.	90	4	86·4	79·1	82·6	− 0·8	2572	− 67	693	+314	116	− 5	20·94	533	+101	4·9	−0·3	38	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	85·1	78·2	81·5	− 0·6	2057	− 20	663	+247	135	−17	24·76	630	−138	4·3	−0·1	32	1014
7. ENGLAND, N.W.	82	5	85·4	78·6	81·9	− 0·7	2257	0	703	+321	124	−13	22·20	566	− 13	4·5	−0·1	34	1014
8. ENGLAND, S.W.	86	4	85·8	79·1	82·3	− 0·9	2369	−114	619	+318	127	− 9	24·18	615	0	5·0	0·0	38	1015
9. IRELAND, NORTH ...	76	7	85·1	78·7	81·8	− 0·6	2071	− 82	536	+196	156	−12	24·44	624	− 18	3·9	−0·1	29	1014
10. IRELAND, SOUTH ...	77	9	86·2	79·3	82·6	− 0·7	2408	− 72	501	+241	150	+ 3	25·36	646	− 21	4·3	−0·2	33	1015
11. ENGLISH CHANNEL ...	83	22	86·4	80·9	83·5	− 0·9	2661	−182	347	+242	128	−11	20·35	518	+ 22	5·7	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: September 20th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. LXXIV. (New Series.)* } No. 38.

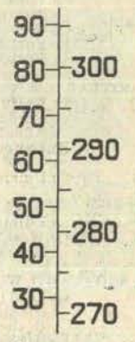
THE THIRTY-EIGHTH WEEK OF 1917.

SUNDAY, SEPTEMBER 16TH, TO SATURDAY, SEPTEMBER 22ND.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

Pressure distribution remained of the same type as in the preceding week, an anticyclone lying to the south and south-east of the British Isles, whilst a series of depressions passed eastwards from the Iceland region. One of these depressions which skirted the north of Scotland on the 20th gave gales over a wide area extending as far south as Hartland Quay and Nottingham. A secondary depression which developed over the Bristol Channel on the night of the 18th caused some heavy falls of rain in that locality, of which the largest were 36mm. at Arlington, 34mm. at Cardiff and 33mm. at Hartland Quay and Malvern; all measured on the morning of the 19th. As a result of these falls precipitation for the week exceeded the normal in the south-west of England by 21mm. An excess of 20mm. in the north of Scotland was not due to a heavy fall on any one day, but to the proximity of this district to the path of the eastward travelling depressions. Bright sunshine tended to be abundant in the extreme north but scanty in the south of the country. In the south-west of England the amount measured averaged only 2·3 hours per day, or less than half the normal for the time of year. Sea temperature was 285 a. at Wick, 1 a. above normal, and rather high on other parts of the coast with the exception of the south-west of Ireland, where there was a defect of 1·2a. Air temperature was also generally in excess. It ranged from 283·9 a. in Scotland North to 288·6 a. in the English Channel.



Temperature Scales.

Day maxima rose to about 294 a. in all English districts, but in Scotland and the north of Ireland many stations showed no reading above 290 a. Temperature in the screen just touched the freezing point at West Linton (Pentland Hills) on the night of the 17th and fell to within a few degrees of this point at several other northern stations on the same night. Auroræ were observed from Lerwick, Deerness and Fort Augustus on the evening of the 17th and again from more numerous Scottish stations, and also from Malin Head on the following night. Halo phenomena were also observed rather extensively.

A thunderstorm occurred at Bath on the evening of the 16th, but apart from this little thunder was reported throughout the week.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	19	4·9	21	3·6	22	3·1	25	3·5	24	5·3	17	2·5	23	3·5	23	4·3
North	4	4·1	2	1·9	2	2·4	0	—	1	2·3	4	1·8	1	2·1	2	1·0
West	22	6·6	25	4·7	23	3·4	25	2·7	27	5·4	23	3·9	22	5·2	20	2·1
East	2	2·2	0	—	2	1·5	0	—	0	—	2	1·6	1	2·4	2	1·4
Calm	0	—	3	—	1	—	3	—	1	—	0	—	4	—	3	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	Unusual
Rainfall ...	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate
Sunshine ...	Abundant	Abundant	Moderate	Scanty	Scanty	Scanty	Moderate	Scanty	Very scanty	Moderate	Moderate	Scanty

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 3 weeks from Sept. 2nd, 1917.	Warmth ...	1, 2, 0	0, 3, 0	2, 1, 0	2, 1, 0	2, 1, 0	1, 2, 0	1, 2, 0	2, 1, 0	1, 2, 0	1, 2, 0	1, 2, 0	1, 2, 0
	Rainfall ...	3, 0, 0	0, 2, 1	0, 1, 2	1, 1, 1	1, 1, 1	0, 1, 2	0, 2, 1	0, 2, 1	1, 1, 1	1, 1, 1	0, 2, 1	0, 3, 0
	Sunshine ...	2, 0, 1	2, 1, 0	1, 2, 0	1, 1, 1	1, 0, 2	1, 1, 1	0, 3, 0	0, 2, 1	1, 0, 2	0, 3, 0	0, 2, 1	0, 1, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(13431—19.) Wt. 153—442. 450. 9/17. D & S. G. 17/ 36.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Mean for the Week. Of Daily Min.	Mean for the Week. Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands ..	*a* Lerwick	54	16, 19, 22	46	18, 22	54·3	47·4	50·7	+ 0·8	6	1·06	27	+ 14										
	p Deerness	160	20th	47	18, 20, 21	55·6	48·1	51·7	—	6	0·98	25	+ 12	Deerness ..	3·4	+ 0·3	27	•	•	•	•	•	•
	a Stornoway	51	17, 19	46	18, 19	57·0	47·1	51·8	+ 0·6	6	1·38	35	+ 17	Stornoway ..	4·6	+ 1·2	37	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	57	17, 19, 21	42	19th	56·6	51·4	53·9	+ 1·4	6	0·63	16	—	Castlebay ..	4·2	—	34	•	•	•	•	•	•
b, Mainland.	*a* Wick	81	60	20th	43	19th	57·4	46·0	51·4	+ 0·3	7	0·78	20	+ 9	Fort Augustus..	3·0	+ 0·2	24	•	•	•	•	•	•
	p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—									
	p Glencarron	500	57	18th	39	18th	55·7	45·0	50·1	- 0·7	6	1·56	40	+ 6									
	p Fort Augustus.. ..	68	60	20th	37	18th	58·7	45·9	52·0	+ 0·1	6	1·30	33	+ 18									
	p Fort William	171	63	19, 21	40	18th	61·1	48·4	53·4	+ 0·7	7	2·50	64	+ 36									
1. SCOTLAND, E.																							
	a Nairn	82	63	20th	37	18th	58·9	44·0	51·1	- 0·6	5	0·26	7	- 6	Nairn	5·8	—	47	•	•	•	•	•	•
	p Gordon Castle ..	101	68	20th	40	18th	61·3	46·9	53·2	+ 1·0	3	0·27	7	- 8	Gordon Castle..	5·7	—	46	•	•	•	•	•	•
	a Aberdeen	46	64	16, 22	39	18th	61·6	46·0	53·4	+ 1·3	2	0·12	3	- 10	Aberdeen ..	5·3	+ 1·5	43	0	32	•	•	53·7	+1·4
	a Balmoral	930	61	16th	39	18, 20	57·9	42·7	49·9	+ 1·0	3	0·37	9	- 5	Balmoral ..	•	•	•	0	36	•	•	°	°
	p Crieff	432	63	16th	39	19th	60·7	43·6	51·7	- 0·9	5	0·63	16	- 1	Crathes	5·4	+ 1·9	44	1	30	54·1	+0·2	54·8	+0·1
	a Dundee	244	64	16th	38	18th	62·1	45·3	53·3	—	3	0·25	6	- 6	Dundee	5·5	—	45	0	31	54·0	•	°	•
	a Leith	18	64	20th	44	18, 19	61·6	48·4	54·7	+ 0·9	4	0·28	7	- 3	Leith	•	•	•	0	39	•	•	•	•
	a Edinburgh	441	61	20th	46	18th	59·4	49·1	54·0	—	4	0·48	12	+ 1	Edinburgh ..	5·0	+ 1·3	41	0	37	•	•	•	•
	a West Linton	769	61	16th	32	18th	57·7	43·4	50·2	+ 1·1	6	1·48	38	—	West Linton ..	4·2	—	34	1	28	•	•	•	•
	p Marchmont	498	64	16th	41	17th	59·9	44 1	51·6	0·0	4	0·23	6	- 8	Marchmont ..	4·7	+ 1·0	38	0	37	•	•	•	•
6. a, SCOTLAND, W.																							
	a Ford (Argyll)	149	63	16th	35	18th	59·7	45·5	52·3	—	7	1·56	40	—	Ford (Argyll) ..	•	•	•	1	29	56·7	•	56·7	•
	p Glasgow Observatory	180	60	16, 20	47	18th	58·7	50·1	54·2	+ 1·6	6	0·85	22	+ 5	Glasgow.. ..	4·1	+ 1·0	33	0	37	•	•	•	•
	p Rothesay	170	60	16, 18, 20	45	19th	59·3	47·9	53·3	+ 0·2	7	0·80	20	- 3	Rothesay ..	3·1	—	25	0	40	55·1	•	55·0	+1·5
	a Kilmarnock	90	64	20th	43	18th	62·1	49·6	55·6	+ 3·6	6	0·59	15	- 3	Kilmarnock ..	3·7	—	30	•	•	55·3	•	54·9	•
	a Colmonell	170	65	16th	44	18th	61·7	50·1	55·6	+ 2·9	7	0·70	18	- 1	Colmonell ..	•	•	•	0	39	•	•	•	•
	p Cally, Gatehouse ..	120	64	17th	40	18th	61·1	48·0	54·2	+ 2·4	6	0 93	24	+ 3	Dumfries ..	2·7	—	22	0	36	56·4	•	57·3	•
	a Dumfries	160	64	16th	42	18th	60·9	49·3	54·8	+ 1·5	7	0·48	12	- 2	Eskdalemuir ..	2·9	—	24	1	30	•	•	•	•
	a Eskdalemuir	794	60	16, 17	36	18th	57·7	43 6	50·3	—	7	1·46	37	—										
b, I. OF MAN	*p* Douglas	277	61	17, 21	47	19th	60·1	50·3	55·0	+ 1·4	7	0·80	20	+ 2	Douglas	4·2	- 0·3	34	0	44	•	•	•	•
2. ENGLAND, N.E.																							
a North ..	*a* Alnwick Castle ..	210	68	16th	42	20th	63·9	46·3	54·7	+ 2·2	3	0·09	2	- 10									
	a Tynemouth	71	67	16th	48	20, 21	62·6	50·6	56·3	+ 3·1	3	0·24	6	- 4	Cockle Park ..	4·9	+ 0·8	40	0	35	52·5	+0·4	•	•
	p Durham	336	66	16th	43	20, 21	63·0	48·6	55·5	+ 2·7	2	0·06	2	- 8	Durham	4·5	+ 0·8	37	0	35	•	•	•	•
	p Rounton	249	67	16th	46	21st	63·4	49·9	56·3	+ 3·9	3	0·15	4	- 5	Rounton	•	•	•	0	37	56·5	•	•	•
	a West Witton	605	67	16th	44	20th	61·7	50·0	55·6	—	5	0·57	14	—	West Witton ..	•	•	•	0	37	55·4	•	54·0	•
	p Scarborough	100	69	16th	49	20th	64·9	52·1	58·2	+ 3·5	5	0·15	4	- 6	Scarborough† ..	3·7	- 0·6	30	•	•	•	•	52·3	•
	p York	56	71	16th	45	20th	64·4	51·4	57·6	+ 3 3	5	0·22	6	- 3	York	3·0	- 0·9	24	•	•	57·4	+1·7	57·1	+1·4
b, South ..	*a* Spurn Head	26	71	16th	50	20th	63·7	52·9	58·0	+ 2·5	3	0·47	12	+ 4	Spurn Head ..	3·0	—	24	•	•	•	•	•	•
	a Lincoln	58	70	16th	46	21st	65·4	50·7	57·7	+ 2 8	4	0·55	14	+ 6	Lincoln	•	•	•	•	•	57·9	+2·2	58·0	+2·0
	a Fulbeck	180	70	16th	44	21st	63·9	51·0	57·1	+ 2·1	6	0·74	19	+ 10	Rauceby ..	4·3	- 0·3	35	•	•	59·1	+2·1	57·8	+0·8
															Skegness ..	3·8	- 1·1	31	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	73	16th	46	21st	64·3	51·4	57·5	+ 1·1	3	1·02	26	+ 18	Cromer	5·3	+ 0·4	43	•	•	•	•	•	•
	p Little Massingham ..	280	71	16th	43	21st	63·7	49·9	56·5	+ 1·4	3	1·16	30	+ 20	Lit. Massingham	3·9	- 0·7	32	•	•	•	•	•	•
	a Yarmouth	13	72	16th	48	16, 21, 22	64·9	52·1	58·2	+ 2·1	3	1·14	29	+ 20	Yarmouth ..	4·6	—	37	0	45	59·7	+1·7	59·1	- 0·1
	a Norwich	93	71	16th	47	21st	64·4	52·4	58·1	+ 2·4	4	1·45	37	+ 27	Norwich ..	4·6	—	37	0	41	59·4	•	•	•
	a Geldeston	37	74	16th	45	21st	66·1	50·7	58·0	+ 2·2	4	1·07	27	+ 18	Geldeston ..	4·3	- 0·7	35	•	•	•	•	•	•
	p Cambridge	41	69	19th	44	21st	66·3	50·3	57·9	+ 2·1	3	1·29	33	+ 26	Cambridge ..	3·8	- 1·1	31	0	38	59·7	+2·5	59·4	+1·3
	a Clacton-on-Sea ..	54	67	16, 17	48	16th	65·1	54·0	59·3	+ 2·7	3	0·51	13	+ 5	Clacton	5·3	- 0·4	43	0	46	60·1	+2·2	60·0	+1·4
	a Rothamsted	424	66	16th	44	22nd	62·6	50·1	56·1	+ 1·4	4	1·24	31	+ 22	Rothamsted ..	3·8	- 1·1	31	0	38	57·8	•	•	•
	p Tottenham	51	70	16th	49	21st	66·4	54·4	60 1	+ 3·7	3	0 41	10	—	Tottenham ..	4·3	—	35	0	45	•	•	60 0	+0·3
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	67	16th	46	21st	62·0	50·0	55·7	+ 2·9	3	0·25	6	- 4	Harrogate ..	3·2	- 1·0	26	0	38	55·0	+0·7	55·1	+1·5
	p Sheffield	429	68	16th	48	20th	62·7	52 0	57·1	—	5	0·43	11	—	Sheffield.. ..	3·3	- 0·5	27	0	41	56·7	+2·1	56·0	+0·3
	p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	•	•	•	•	•	•	•	•	•
b, East	*a* Bawtry	65	71	16th	46	20th	65·0	52·3	58·4	+ 4·2	3	0·37	9	+ 1	Worksop ..	2·7	- 1·1	22	0	37	56·7	•	56·2	•
	a Nottingham	82	68	16th	44	16th	63·4	49·1	55·9	+ 1·4	5	0·84	21	+ 12	Nottingham ..	3·5	- 0·5	28	0	39	56·6	+1·7	57·7	+1·3
	p Birmingham, Edgbsn.	535	67	16th	44	21st	62·4	50·7	56·2	+ 1·8	5	1·35	34	+ 24	Birmingham ..	1·8	- 1·7	15	0	35	54·2	+1·1	53·8	+0·7
	a Raunds	203	69	17th	42	21st	65·4	49·4	57·0	+ 1·5	5	1·29	33	+ 25	Raunds	•	•	•	0	31	59·9	•	58·0	•
	p Oxford	208	67	16, 17	47	21, 22	64·6	51·9	58·0	+ 2·6	3	1·12	28	+ 19	Oxford	3·4	- 1·2	28	0	38	•	•	•	•
c, West	*a* Cheadle (N. Staffs.) ..	646	65	16, 17	41	21st	61·7	49·3	55·2	+ 2·0	5	0·89	23	+ 10	Cheadle	•	•	•	0	34	•	•	•	•
	p Shrewsbury	191	69	16th	40	21st	63·7	49·6	56·3	+ 2·1	6	0·91	23	+ 15	Shrewsbury ..	•	•	•	0	33	•	•	•	•
	a Hereford§	291	68	18th	47	20, 21	64·3	51·1	57·4	+ 3·1	3	1·35	34	+ 25	Malvern§ ..	3·0	—	24	0	38	58·3	•	58·8	•
	a Clifton	229	68	17th	51	21, 22	64·3	53·9	53·9	+ 2·2	4	1·25	32	+ 15	Clifton	3·8	—	31	0	47	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	66	17th	40	22nd	63·0	48·7	55·5	+ 2·1	4	1·14	29	+ 19	Worthing ..	3·3	- 2·4	27	0	43	61·6	+3·3	60·2	+1·1
	p Salisbury (Wilton) ..	180	68	16th	42	21, 22	64·4	49·2	56·4	+ 1·3	4	1·50	38	+ 28	Marlborough ..	2·9	- 1·5	24	0	33	57·9	•	56·9	•
	a Wisley, Surrey ..	150	68	16th	47	21st	64·9	52 7	58·5	+ 3·2	4	0·75	19	+ 9	Salisbury ..	•	•	•	0	39	61·1	•	•	•
	a Tunbridge Wells ..	354	65	16, 19, 21	46	21st	64·0	53·3	58·4	+ 2·7	3	0·55	14	+ 3	Wisley	4·1	- 0·8	33	0	35	60·4	+3·3	58·8	+0·6
	a Margate	53	68	16, 19	49	21, 22	65·9	56·1	60 2	+ 2·4	3	0·13	3	- 7	Tunbridge Wells	3·9	- 1·4	32	0	38	61·3	+3·8	60·3	•
															Margate	5·4	+ 0·2	44	0	44	61·9	+4·6	61·9	+4·2
	a Dungeness	21	67	19, 21	53	21, 22	64·7	57·0	60·7	+ 3·5	3	0·41	10	0	Dover	4·9	—	40	0	40	•	•	•	•
	p St. Leonards	178	67	19th	49	21st	64·1	55·9	59·3	+ 2·0	3	0·42	11	0	St. Leonards ..	4·4	- 1·2	36	0	42	62·2	•	60·4	•
	p Southampton	64	67	21st	48	21st	63·0	53·9	58·2	+ 0·9	4	1·16	30	+ 19	Southampton ..	2·1	- 3·2	17	0	38	•	•	•	•
	a Ventnor	59	66	19th	53	21st	64·4	56·1	60·1	+ 1·7	3	0·73	19	+ 7	Ventnor	3·0	- 2·4	24	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	68	16th	49	21st	64·8	54·3	59·3	+ 3·3	3	0 81	21	+ 12	Richmond ..	3·9	- 0·8	32	0	35	60·3	+3·6	58·5	+1·4
	a Westminster	27	69	16th	48	21st	66·6	55·8	60 9	+ 3·7	3	0 67	17	+ 9	Westminster ..	3 9	- 0·2	32	0	42	•	•	•	•
	ag Greenwich	155	70	16th	48	21, 22	66·4	53·3	59·5	+ 2·6	4	0·66	17	+ 6	Greenwich ..	4·6	- 0·4	37	0	38	•	•	•	•
	a Hampstead	450	68	16th	46	21st	63·5	51 7	57·3	—	3	0·86	22	—	Hampstead ..	3·8	—	31	0	39	•	•	•	•
	ag Camden Square ..	110	72	16th	47	21st	68 1	53·7	60·6	+ 3·1	3	0·82	21	+ 12	Camden Square	3·6	- 0·4	29	0	45	•	•	•	•
7. a, ENGLAND, N.W.																							
	f Aspatria (Mealsgate)	487	58	16-20	45	18th	57·7	49·1	53·2	- 0·1	7	0·96	24	+ 7	Aspatria.. ..	3·1	- 1·4	25	0	43	54·5	•	54·7	•
	p Newton Rigg	559	64	16th	46	19, 20	60·1	49·1	54·3	+ 2·2	7	1·76	45	+ 31	Newton Rigg ..	3·7	- 0·6	30	0	39	55·9	+0·9	54·9	+0·5
	p Stonyhurst	377	—	—	—	—	—	—	—	—	—	—	—	—	Stonyhurst ..	•	•	•	0	39	•	•	•	•
	p Blackpool	66	64	20th	49	20th	62·3	54·1	58·0	+ 3·3	5	0·52	13	- 2	Blackpool ..	2·9	- 1·8	24	0	43	58·6	•	56·5	•
	a Southport	37	65	16th	49	20th	62·1	53·0	57·3	+ 2·7	6	0 70	18	+ 3	Southport ..	2·9	- 1·6	24	0	40	58·5	+2·0	59·1	+1 4
															Hoylake ..	3·7	- 0·7	30	•	•	•	•	•	•
	a Liverpool (Bidston) ..	188	67	16th	50	19th	62·6	52·1	57·1	+ 1·9	4	0·33	8	- 5	Liverpool ..	3·2	—	26	0	45	•	•	•	•
	a Hawarden Bridge ..	22	72	16th	50	20th	65·1	53·1	58·8	+ 3·3	4	0·45	12	+ 2	Manchester (City)	2·2	- 1·3	18	0	43	58·1	+3·1	59·7	+2·0
	p Manchester (Whit. Pk.)	125	—	—	—	—	—	—	—	—	—	—	—	—	Whitworth Park	•	•	•	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	16	65	16th	48	19, 20	62·3	52·9	57·4	+ 1·3	4	0·31	8	- 4	Llandudno ..	4·1	- 0·7	33	•	•	•	•	•	•
	a Holyhead	10	64	17th	52	19-22	61·7	53·0	57·1	+ 1·6	5	1·10	28	+ 14	Holyhead ..	4·1	—	33	0	47	•	•	•	•
	p Bettws-y-Coed ..	148	65	16, 17	48	20th	62·3	52·0	56·9	+ 3·1	7	1·00	25	—	Bettws-y-Coed.	2·4	—	20	•	•	55·1	+2·0	54·0	+0·2
	p Aberdovey	22	65	16th	52	19th	61·9	55·3	58·4	—	5	1·23	31	—	Aberdovey ..	2·3	- 2·7	19	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	64	16th	52	19th	61·1	54·7	57·8	—	6	1·16	29	—	Aberystwyth ..	2·3	- 2·7	19	*	*	*	*	*	*
a Rhayader	757	65	16th	46	20, 21	60·7	49·6	54·9	—	5	1·11	28	—	Rhayader ..	2·0	—	16	0	35	*	*	*	*
a St. Ann's Head	149	60	16-18	51	19th	59·4	54·1	56·6	+ 0·6	4	1·59	38	+ 24	St, Ann's Head	2·7	- 2·3	23	*	*	*	*	*	*
p Cardiff	202	66	16th	46	21st	62·9	52·9	57·7	+ 2·5	3	1·64	42	+ 26	Cardiff	2·5	—	20	0	39	59·5	+3·8	58·2	+1·0
b, ENGLAND, S.W.																							
a Bath	66	67	17, 18	41	21st	64·9	51·0	57·6	+ 1·9	3	1·18	30	+ 20	Bath	*	*	*	*	*	62·0	+3·8	61·0	+1·3
a Shaftesbury	722	63	17, 21	47	21st	60·3	50·6	55·2	+ 0·1	3	1·35	34	+ 22	Shaftesbury ..	*	*	*	*	*	58 9	*	58·8	*
a Arlington	613	67	16th	40	22nd	61·9	49·5	55·4	+ 0·9	4	1·35	47	+ 26										
a Newquay	190	64	17th	49	20, 22	62·3	53·1	57·5	+ 0·5	4	1·04	27	+ 13	Newquay ..	2·6	- 2·7	21	0	40	60·6	*	58·8	*
a Cullompton	202	70	17th	43	22nd	64·7	50·7	57·4	+ 2·0	5	1·20	30	+ 19	Cullompton ..	2·1	- 2·7	17	0	40	59·3	*	*	*
a Portland Bill	19	62	19th	54	16th	61·0	56·4	58·6	+ 0·9	3	0·79	20	+ 10	Weymouth ..	2·0	—	16	*	*	*	*	*	*
p Plymouth	116	64	17, 21	50	21st	62·3	54·4	58·2	+ 1·3	5	1·66	42	+ 30	Plymouth ..	2·2	- 3·1	18	0	43	60·3	+2·1	59·0	*
a Falmouth	167	64	17, 21	50	20-22	62·6	52·4	57·3	+ 0·7	5	1·43	36	+ 21	Falmouth ..	2·3	- 3·1	19	0	41	61·7	*	61·0	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	60	16, 18	45	18th	58·7	50·0	54·1	- 0·2	6	0·32	8	- 6	Malin Head ..	4·8	—	39	*	*	*	*	*	*
a Blacksod Point ..	327	59	16th	48	19th	57·7	49·9	53·6	- 1·5	7	2·09	53	+ 33	Markree Castle	4·4	+ 0·7	36	0	31	56·2	*	55·9	*
p Markree Castle ..	122	63	21st	34	19th	61·6	43·9	52·3	- 0·8	6	1·28	33	+ 15										
b, East .. { *p* Armagh	196	63	16, 21	44	21st	61·6	48·9	55·0	+ 1·5	7	0·59	15	+ 2	Armagh	4·1	+ 0·2	33	0	41	55·8	-0·4	=	=
a Donaghadee	101	65	16th	45	18-20	61·3	47·4	54·0	- 0·3	6	0·55	14	+ 1										
10. IRELAND, S.																							
p Dublin, City	47	67	16th	47	21st	62·9	51·4	56·9	+ 1·5	5	0·94	24	+ 13	Dublin City ..	*	*	*	0	42	*	*	*	*
a Birr Castle	175	67	16th	42	20th	61·6	46·1	53·5	- 0·3	5	0·44	11	- 3	Trinity Coll. ..	*	*	*	0	37	57·6	+1·2	56·9	+0·5
a Kilkenny	212	67	16th	44	19, 21	63·4	48 6	55·6	+ 1·3	7	0·61	16	+ 2	Phœnix Park ..	?3·2	- 0 8	31	0	33	*	*	*	*
a Waterford	20	—	—	—	—	—	—	—	—	—	—	—	—	Birr Castle ..	4·9	+ 0·7	40	0	35	*	*	*	*
a Seskin, Carrick-on-Suir	541	64	16th	47	19, 21	61·4	49·4	55·1	—	5	0·33	8	—	Seskin	4·1	—	33	0	39	*	*	*	*
a Cahir	199	66	16th	44	18th	63·3	?50·1	?56·4	+ 1·8	7	0·53	13	—										
a Foynes	50	68	16th	45	18th	62·9	51·1	56·7	+ 1·6	7	0·34	9	- 10										
a Cahirciveen (Val. Obs.)	30	62	16th	44	19th	60·6	50·3	55·2	- 0·7	4	0·75	19	- 5	Cahirciveen ..	3·8	- 0·6	31	0	40	*	*	*	*
a Killarney	174	71	16th	45	19th	64·9	50·9	57·6	+ 1·9	5	0·52	13	- 8	Ballinacurra ..	4·4	0·0	36	*	*	*	*	*	*
a Roche's Point	32	62	16, 17, 20	45	21st	61·4	49·4	55·1	- 0·9	6	0·57	14	- 3										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	16, 22	53	19-21	61·6	54·1	57·7	- 0·2	5	1·44	37	+ 25	Scilly	3·5	- 2·4	28	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	70	19th	48	22nd	67·0	56·6	61·6	+ 2·1	2	0·20	5	- 7	St. Heliers ..	5·1	- 1·4	41	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	68	17, 22	52	22nd	65·9	56·1	60·8	+ 1·2	3	0·39	10	- 3	Guernsey† ..	5·0	- 1·5	41	0	44	61·5	+1·3	60·9	0·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 22nd, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
0. SCOTLAND, N.															
Deerness (Cup Anr.)** ..	188	16	5	20, 21	3	19 to 21	21	73	66	5	0	W. by N. 15	21 1	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	30	63	70	5	— 9	20 22	23	20 22 0
Aberdeen	153	105	52	—	—	20, 21	6	42	93	27	0	W. 13	21 9	26	20 20 50
Edinburgh	485	39	31	—	—	20, 22	17	91	46	14	0	WSW. 15	20 17	24	20 16 45
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	16, 18, 20, 22	32	73	40	23	0	S. by W. 16	20 8	25	20 19 15
Paisley	188	81	52	—	—	20, 22	4	54	91	19	0	WNW. 12	22 8	25	22 7 55
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	20	1	28	81	58	0	SW. 11	20 16	21	20 15 25
South Shields	72	61	12	—	—	20, 21	5	38	74	51	0	WNW. 12	21 5	19	21 1 15
Spurn Head	66	40	‡	—	—	20, 21	9	37	58	20	44	— 12	21 5	17	20 12 55
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	41	119	8	0	SSW. 8	19 3	—	— — —
Gorleston	52	42	‡	—	—	20	1	66	88	6	7	— 11	20 15	16	20 14 35
Shoeburyness	103	90	‡	—	—	18, 19	11	98	57	2	0	SW. 12	19 3	19	19 11 35
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	18, 19	3	57	86	22	0	SSW. 11	18 24	19	18 23 45
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	18, 19	11	67	53	7	30	— 14	19 3	17	19 9 50
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	— —	— —	—	— — —
Brighton	261	53	6	—	—	—	—	92	73	3	0	— 10	18 21	17	20 18 35
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	47	97	24	0	SSW. 10	18 24	18	19 3 20
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	—	—	—	—	— —	— —	—	— — —
Fleetwood (Cup Anr.) ..	109	44	—	—	—	20 to 22	25	93	48	2	0	W. by N. 17	20 18	—	— — —
Southport	80	62	48	20	4	17, 20 to 22	34	71	58	1	0	SW. by W. 20	20 16	28	20 16 40
Holyhead	60	40	‡	—	—	18, 20 to 22	29	112	27	0	0	SW. by S. 15	20 10	22	20 10 50
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	18	4	17, 18, 20	15	46	68	35	0	SSW. 19	18 20	26	20 13 50
Plymouth	185	88	2	—	—	18 to 20	9	36	82	41	0	— 15	18 21	19	18 21 10
Lyme Regis	556	61	‡	—	—	18, 19	5	39	81	43	0	— 12	19 2	17	18 21 25
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	20	1	20, 22	16	59	78	14	0	WSW. 17	20 15	—	— — —
Quilty	100	40	‡	—	—	20, 22	15	94	46	13	0	— 15	20 10	23	20 9 40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	19, 20	9	73	70	16	0	SSW. 14	20 4	22	20 4 0
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
11. ENGLISH CHANNEL															
Scilly..	150	32	‡	—	—	18	2	28	69	66	3	SW. by S. 12	18 19	19	18 19 15

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-EIGHTH WEEK of 1917—September 16th to September 22nd, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	63	37	87·1	80·9	83·9	+ 0·2	67	+ 2	0	0	6	+ 2	1·43	37	+ 20	3·7	+0·5	30	1001
Eastern.																			
1. SCOTLAND, EAST ...	66	32	88·6	80·1	84·1	+ 0·2	70	+ 3	0	− 1	4	+ 1	0·46	12	− 1	5·3	+1·5	43	1004
2. ENGLAND, N.E.	71	42	90·7	83·2	86·8	+ 1·7	104	+ 21	0	0	4	+ 1	0·30	8	− 1	4·0	−0·3	33	1010
3. ENGLAND, EAST ...	74	43	91·3	83·9	87·4	+ 1·3	112	+ 16	0	0	3	0	1·03	26	+ 17	4·0	−0·9	33	1015
4. MIDLAND COUNTIES ...	71	40	90·6	83·4	86·8	+ 1·4	104	+ 17	0	− 1	4	+ 1	0·96	24	+ 14	3·1	−1·2	25	1014
5. ENGLAND, S.E.	68	40	90·9	84·9	87·8	+ 1·2	117	+ 16	0	0	3	0	0·76	19	+ 9	3·8	−1·5	31	1016
Western.																			
6. SCOTLAND, WEST ...	65	35	88·8	82·4	85·4	+ 0·8	87	+ 12	0	0	7	+ 4	0·84	21	+ 1	4·2	+0·3	34	1008
7. ENGLAND, N.W.	72	45	89·6	84·1	86·7	+ 1·2	102	+ 15	0	0	6	+ 3	0·82	21	+ 7	3·2	−1·1	26	1012
8. ENGLAND, S.W.	70	40	89·7	84·2	86·8	+ 0·6	104	+ 8	0	0	4	+ 1	1·37	35	+ 21	2·3	−2·6	19	1015
9. IRELAND, NORTH ...	67	34	88·8	81·7	85·1	0·0	83	0	0	0	6	+ 2	0·88	22	+ 7	4·3	+0 4	35	1008
10. IRELAND, SOUTH ...	71	42	90·0	82·8	86·3	+ 0·5	97	+ 6	0	0	6	+ 2	0·59	15	− 2	4·2	−0·2	34	1012
11. ENGLISH CHANNEL ...	70	48	91·2	86·1	88·6	+ 0·7	126	+ 8	0	0	3	0	0·68	17	+ 5	4·5	−1·9	37	1018

THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, September 2nd to September 22nd, 1917.

0. SCOTLAND, NORTH ...	68	34	87·7	81·7	84·6	+ 0·3	228	+ 12	0	0	17	+ 4	4·22	108	+ 47	3·4	−0·2	26	1008
Eastern.																			
1. SCOTLAND, EAST ...	70	29	89·6	80·5	84·8	+ 0·2	236	+ 7	0	−1	11	+ 1	1·29	33	− 3	5·2	+1·0	40	1010
2. ENGLAND, N.E.	73	38	91·1	83·0	86·9	+ 1·2	315	+ 42	0	0	7	− 1	0·48	12	− 15	5·3	+0·6	42	1014
3. ENGLAND, EAST ...	75	38	92·0	83·6	87·6	+ 0·9	342	+ 31	0	0	6	− 2	1·42	36	+ 6	5·8	+0·6	46	1017
4. MIDLAND COUNTIES ...	77	37	91·6	83·0	87·1	+ 1·0	323	+ 37	0	−1	9	+ 1	1·33	33	+ 3	4·6	0·0	36	1017
5. ENGLAND, S.E.	75	40	91·9	84·6	88·1	+ 0·8	361	+ 32	0	0	8	0	1·19	30	− 3	5·6	0·0	44	1018
Western.																			
6. SCOTLAND, WEST ...	75	35	89·6	82·8	86·0	+ 0·9	283	+ 34	0	0	16	+ 6	2·31	58	0	4·3	−0·2	34	1013
7. ENGLAND, N.W.	73	40	90·3	83·8	86·9	+ 0·8	316	+ 34	0	0	12	+ 2	1·64	42	− 1	4·2	−0·5	33	1015
8. ENGLAND, S.W.	73	35	90·7	84·2	87·3	+ 0·6	329	+ 20	0	0	10	0	2·04	52	+ 9	4·1	−1·1	32	1017
9. IRELAND, NORTH ...	69	34	89·4	82·6	85·9	+ 0·4	276	+ 12	0	0	15	+ 3	2·20	55	+ 9	3·8	−0·2	30	1013
10. IRELAND, SOUTH ...	71	42	90·3	83·4	86·7	+ 0·5	307	+ 16	0	0	15	+ 4	1·19	31	− 16	3·9	−0·8	30	1016
11. ENGLISH CHANNEL ...	77	48	91·3	86·1	88·6	+ 0·2	378	+ 7	0	0	11	+ 2	1·24	31	− 6	5·5	−0·9	44	1019

THE YEAR 1917.—Aggregates, &c., for the Period of 38 Weeks, December 31st, 1916, to September 22nd, 1917.

0. SCOTLAND, NORTH ...	81	10	84·0	77·9	80·8	− 0·3	1776	+ 18	684	+145	169	− 5	28·44	722	−131	3·8	+0·2	28	1013
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·6	77·0	80·6	− 0·8	1871	− 96	884	+266	135	−13	20·24	518	− 19	4·2	−0·1	31	1013
2. ENGLAND, N.E.	87	5	85·5	78·3	81·8	− 0·4	2314	+ 64	781	+309	133	+ 1	17·91	455	+ 26	4·3	−0·3	33	1014
3. ENGLAND, EAST ...	93	5	86·4	78·8	82·4	− 0·5	2648	+ 63	786	+292	125	− 3	18·52	473	+ 64	4·8	−0·2	37	1015
4. MIDLAND COUNTIES ...	89	4	86·4	78·2	82·1	− 0·6	2544	+ 22	831	+308	126	− 1	20·49	522	+ 63	4·1	−0·4	31	1015
5. ENGLAND, S.E.	90	4	86·5	79·3	82·7	− 0·8	2689	− 51	693	+314	119	− 5	21·70	552	+110	4·9	−0·3	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	85·2	78·3	81·6	− 0·5	2144	− 8	663	+247	142	−13	25·60	651	−137	4·3	−0·1	32	1014
7. ENGLAND, N.W.	82	5	85·5	78·8	82·0	− 0·6	2359	+ 15	703	+321	130	−10	23·02	587	− 6	4·5	−0·1	34	1014
8. ENGLAND, S.W.	86	4	85·9	79·2	82·4	− 0·9	2473	−106	619	+318	131	− 8	25·55	650	+ 21	4·9	−0·1	37	1015
9. IRELAND, NORTH ...	76	7	85·2	78·8	81·9	− 0·6	2154	− 82	536	+196	162	−10	25·32	646	− 11	3·9	−0·1	29	1014
10. IRELAND, SOUTH ...	77	9	86·3	79·4	82·7	− 0·6	2505	− 66	501	+241	156	+ 5	25·95	661	− 23	4·3	−0·2	33	1015
11. ENGLISH CHANNEL ...	83	22	86·5	81·1	83·7	− 0·8	2787	−174	347	+242	131	−11	21·28	541	+ 33	5·7	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: September 27th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 153

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 39.

THE THIRTY-NINTH WEEK OF 1917.
SUNDAY, SEPTEMBER 23RD, TO SATURDAY, SEPTEMBER 29TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The distribution of pressure continued similar to that which prevailed during the two previous weeks, high pressure persisting to the south and south-east, while depressions passed from the Icelandic region towards the north of Scandinavia. In consequence, the wind blew for the most part from points between South and West, and was strong to a gale at times in the north. The weather in Scotland was of a showery, unsettled character, but in the south of England fairer conditions prevailed and mist formed in the night on more than one occasion.

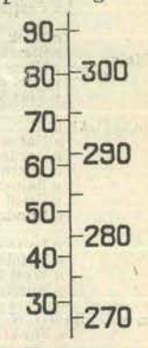
Under the influence of the low pressure in the north, rainfall was about twice the normal in northern Scotland, but there was a general deficiency in other districts. Dew was frequently very heavy.

Sunshine was above the average in the south and south-east of England and in the Channel, but elsewhere it was below the normal, especially in western Scotland, where some stations had a daily mean of under half an hour.

The temperature of the sea was generally above the normal, by 1 a. at Wick, but in the south-west of Ireland it was 0·7 a. below the normal. The temperature of the air was also high for the time of year, being between 2 a. and 3 a. above the average at many stations. The excess was least in the north of Scotland and in the English Channel. The highest reading was 296 a. on the 25th at Geldeston (near Beccles), Yarmouth, and Tunbridge Wells, and on the 24th the temperature was down to the freezing-point at Balmoral.

Halos, Lunar or Solar, were observed at Oxford and Greenwich on the 23rd, at Gorleston on the 24th, at Aberdeen and Cambridge on the 28th, and at Southport on the 29th.

There were no reports of lightning or thunder.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	18	4·8	26	5·6	21	2·3	14	2·4	22	5·6	13	2·4	23	3·7	23	4·5
North	7	2·3	0	—	4	1·8	0	—	3	1·4	13	1·7	1	2·9	2	2·4
West	20	5·0	26	4·7	22	2·4	17	2·0	26	4·4	23	2·3	22	4·2	13	3·7
East	1	2·5	1	0·4	5	1·4	0	—	0	—	4	0·9	3	2·4	13	1·0
Calm	3	—	1	—	1	—	11	—	2	—	0	—	2	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate
	Rainfall ...	Heavy	Light	Light	Light	Light	Light	Moderate	Light	Light	Light	Light	Light
	Sunshine ...	Scanty	Scanty	Scanty	Moderate	Moderate	Abundant	Very scanty	Scanty	Scanty	Very scanty	Very scanty	Abundant

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 4 weeks from Sept. 2nd, 1917.	Warmth ...	1, 3, 0	1, 3, 0	3, 1, 0	3, 1, 0	3, 1, 0	2, 2, 0	2, 2, 0	3, 1, 0	2, 2, 0	2, 2, 0	2, 2, 0	1, 3, 0
	Rainfall ...	4, 0, 0	0, 2, 2	0, 1, 3	1, 1, 2	1, 1, 2	0, 1, 3	0, 3, 1	0, 2, 2	1, 1, 2	1, 1, 2	0, 2, 2	0, 3 1
	Sunshine ...	2, 0, 2	2, 1, 1	1, 2, 1	1, 2, 1	1, 1, 2	2, 1, 1	0, 3, 1	0, 2, 2	1, 0, 3	0, 3, 1	0, 2, 2	1, 1, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(13523—19.) Wt. 153—442. 450. 10/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands	*a* Lerwick	54	58	24th	42	29th	54·1	46·1	49·9	+ 0·8	6	2·20	56	+ 36									
	p Deerness	160	58	24, 27	43	29th	54·9	47·6	51·1	—	7	1·10	28	+ 8	Deerness	1·4	- 1·6	12	•	•	•	•	•	•
	a Stornoway	51	58	24th	40	29th	55·9	45·4	50·4	+ 0·4	7	1·97	50	+ 23	Stornoway	2·3	- 1·1	19	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	57	23, 27, 28	48	29th	56·3	51·4	53·7	+ 2·5	5	0·43	11	—	Castlebay	1·7	—	14	•	•	•	•	•	•
b, Mainland	*a* Wick	81	62	27th	40	29th	56·9	45 9	51·1	+ 1·1	4	0·61	16	0	Fort Augustus	1·5	- 1 2	13	•	•	•	•	•	•
	p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
	p Glencarron	500	59	24th	40	24th	55·3	44·3	49·5	+ 0·1	7	3·79	96	+ 47										
	p Fort Augustus	68	61	25th	40	29th	58·7	45·7	51·9	+ 1·4	7	1·75	45	+ 23										
	p Fort William	171	60	24, 25	44	29th	57·7	47·6	52·4	+ 1·1	7	3·49	89	+ 48										
1. SCOTLAND, E.																							
	a Nairn	82	66	25th	38	29th	60·0	45·9	52·6	+ 2·3	5	0·56	14	+ 1	Nairn	2·8	—	24	•	•	•	•	•	•
	p Gordon Castle	101	67	25th	38	29th	61·3	44·3	52·4	+ 1·4	5	0·19	5	- 11	Gordon Castle	2·1	—	18	•	•	•	•	•	•
	a Aberdeen	46	69	25th	40	24, 29	60·9	47·0	53·6	+ 2·6	3	0·43	11	- 3	Aberdeen	2·8	- 0·8	24	0	31	•	•	53·0	+1·1
	a Balmoral	930	67	25th	32	24th	57·7	44·4	50·7	+ 3·1	3	0·16	4	- 12	Balmoral	•	•	•	1	30	•	•	•	•
	p Crieff	432	62	25th	39	29th	58·6	45·3	51·6	+ 0·5	6	0·36	9	- 9	Crathes	2·5	- 0·9	21	1	30	53·7	+0·4	54·0	+0·3
	a Dundee	244	66	25th	38	29th	58·6	47·7	52·9	—	4	0·21	5	- 8	Dundee	0·6	—	5	0	31	52·7	•	•	•
	a Leith	18	68	25th	45	29th	60·3	51·3	55·6	+ 3·1	3	0·20	5	- 6	Leith	•	•	•	0	39	•	•	•	•
	a Edinburgh	441	65	25th	45	29th	59·7	49·1	54·2	—	3	0·18	5	- 7	Edinburgh	1·2	- 2·4	10	0	39	•	•	•	•
	a West Linton	769	61	25th	36	29th	55·6	47·7	51·5	+ 3·6	5	0·64	16	—	West Linton	0·2	—	2	0	33	•	•	•	•
	p Marchmont	498	64	25th	40	29th	58·7	47·6	52·9	+ 2·6	2	0·31	8	- 8	Marchmont	1·0	- 2·4	8	0	32	•	•	•	•
6. a, SCOTLAND, W																							
	a Ford (Argyll)	149	60	24, 25	42	29th	58·1	49·3	53·5	—	7	1·91	48	—	Ford (Argyll)	•	•	•	0	33	55·8	•	55·8	•
	p Glasgow Observatory	180	62	25th	48	27, 29	58·1	50·1	53·9	+ 2·3	7	0·28	7	- 13	Glasgow	0 1	- 2·6	1	0	38	•	•	•	•
	p Rothesay	170	62	25th	47	27, 29	57·4	49·0	53·0	+ 0·9	7	0·84	21	- 6	Rothesay	0·4	—	3	0	40	54·1	•	54·6	+1·5
	a Kilmarnock	90	68	25th	44	29th	59·7	51·4	55·4	+ 4·6	6	0·39	10	- 12	Kilmarnock	0·5	—	4	•	•	54·8	•	54·3	•
	a Colmonell	170	63	25th	46	29th	59·3	51·7	55·3	+ 3·5	4	0·36	9	- 15	Colmonell	•	•	•	0	40	•	•	•	•
	p Cally, Gatehouse	120	60	28th	40	29th	57·9	46·9	52·1	+ 1·2	6	0 95	24	+ 5	Dumfries	0·6	—	5	0	33	55·5	•	56·7	•
	a Dumfries	160	61	25, 28	43	29th	58·4	48·7	53·3	+ 1·2	5	0·99	25	- 1	Eskdalemuir	0·2	—	2	1	28	•	•	•	•
	a Eskdalemuir	794	58	28th	38	29th	55·6	46·6	50·9	—	6	1·69	43	—										
b, I. OF MAN	*p* Douglas	277	62	28th	48	29th	58·6	51·6	54·9	+ 2·1	4	0·61	15	- 9	Douglas	1·3	- 2·7	11	0	44	•	•	•	•
2. ENGLAND, N.E.																							
a, North	*a* Alnwick Castle	210	69	25th	40	29th	61·9	49·4	55·4	+ 3·8	2	0·32	8	- 7										
	a Tynemouth	71	68	25th	43	29th	60·9	50·0	55·2	+ 2·9	1	0·24	6	- 7	Cockle Park	1·6	- 2·4	13	0	36	51·8	-0·3	•	•
	p Durham	336	66	25th	40	29th	61·0	48·1	54·2	+ 2·5	1	0·19	5	- 8	Durham	2·3	- 1·3	19	0	33	•	•	•	•
	p Rounton	249	71	25th	38	29th	62·9	48·1	55·1	+ 3·7	1	0·11	3	- 9	Rounton	•	•	•	0	33	55·5	•	•	•
	a West Witton	605	69	25th	42	29th	61·3	50·3	55·5	—	3	0·14	4	-	West Witton	•	•	•	0	35	54·6	•	53·5	•
	p Scarborough	100	72	25th	47	29th	66·0	53·0	59·2	+ 5·6	1	0·06	2	- 11	Scarborough†	2·9	- 1·2	24	•	•	•	•	52·5	•
	p York	56	72	25th	45	29th	64·3	51·9	57·3	+ 4·2	2	0·02	1	- 10	York	3·9	+ 0·2	33	•	•	56·5	+1·2	56·7	+1·3
b, South	*a* Spurn Head	26	66	24, 26	48	27th	62·3	52·1	57·0	+ 2·5	1	0·08	2	- 8	Spurn Head	3·5	—	29	•	•	•	•	•	•
	a Lincoln	58	69	25th	44	27th	64·3	50·4	57·0	+ 3·4	1	0·05	1	- 10	Lincoln	•	•	•	•	•	•	•	•	•
	a Fulbeck	180	69	24th	47	27, 29	63·4	51·3	57·1	+ 3·4	2	0·23	6	- 5	Rauceby	3·8	- 0·6	32	•	•	53·0	+2·0	57·1	+0·8
															Skegness	4·4	- 0·4	37	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	70	25th	46	27th	64·4	51·0	57·4	+ 2·7	1	0·04	1	- 12	Cromer	5·6	+ 0·8	47	•	•	•	•	•	•
	p Little Massingham	280	69	25th	44	27th	63·1	48·4	55·4	+ 2·0	2	0·04	1	- 15	Lit. Massingham	4·6	+ 0·2	39	?	?	•	•	•	•
	a Yarmouth	13	73	25th	47	27, 28	65·6	50·4	57·6	+ 3·1	1	0·04	1	- 14	Yarmouth	5·5	—	46	0	45	58·9	+1·6	58·7	+0·6
	a Norwich	93	72	25th	47	27, 28	64·9	51·1	57·7	+ 3·7	1	0·04	1	- 15	Norwich	5·4	—	45	0	41	58·2	•	•	•
	a Geldeston	37	74	25th	44	27, 28	66·6	48·7	57 2	+ 3·0	1	0·01	0·3	- 14	Geldeston	5·3	+ 0·4	45	•	•	•	•	•	•
	p Cambridge	41	71	25th	43	27, 28	65·7	48·3	56·6	+ 2·6	2	0·09	2	- 10	Cambridge	5·1	+ 0·4	43	0	40	58·7	+2·0	58·8	+1·2
	a Clacton-on-Sea	54	67	25th	49	27, 28	65·3	53·0	58·9	+ 3·9	1	0·04	1	- 10	Clacton	6·2	+ 0·9	52	0	43	58 9	+1·5	59 4	+1·3
	a Rothamsted	424	67	24th	43	28th	63·4	47·7	55·2	+ 2·2	1	0·10	3	- 12	Rothamsted	5·1	+ 0·4	43	0	37	56·7	•	•	•
	p Tottenham	51	72	25th	48	28, 29	66·7	50·4	58 2	+ 3·3	1	0 01	0	—	Tottenham	5·1	—	43	0	44	•	•	59 6	+0 5
4. MIDLAND COUNTIES.																							
a, North	*a* Harrogate	479	69	25th	43	29th	62·0	49·6	55·5	+ 4·2	1	0·06	1	- 13	Harrogate	2·9	- 1·1	24	0	36	54·4	+0·7	54·8	+1·6
	p Sheffield	429	68	24, 25	48	27th	63·9	52·0	57·7	—	3	0·11	3	—	Sheffield	5·0	+ 1·3	43	0	40	56·4	+2·0	55·6	+1·0
	p Buxton	987	63	24th	45	27th	60·0	50·4	55·0	+ 5·3	5	0·59	15	- 6	Buxton	3·2	—	27	0	41	54·4	+1·3	55·1	+1·7
a, East	*a* Bawtry	65	69	24th	46	29th	64·7	50·7	57·4	+ 4·9	2	0·07	2	- 8	Worksop	3 9	+ 0·3	33	0	36	53·1	•	55·8	•
	a Nottingham	82	67	24th	40	24, 27	62·9	48 6	55·4	+ 2·5	3	0·28	7	- 4	Nottingham	3·1	- 0·7	26	0	38	55·9	+1·3	56 9	+1·2
	p Birmingham, Edgbn.	535	66	24th	45	27th	62·1	50·1	55 8	+ 2·9	1	0·20	5	- 7	Birmingham	3 2	- 0·1	27	0	35	53·8	+0·7	53·4	+0·6
	a Raunds	203	71	24th	44	24, 27	66·1	48·3	56 8	+ 3·1	3	0·19	5	- 5	Raunds	•	•	•	0	33	53·9	•	58·0	•
	p Oxford	208	68	24th	47	27th	64·1	51·0	57·2	+ 3·4	2	0·14	4	- 8	Oxford	4·0	- 0·5	34	0	39	•	•	•	•
c, West	*a* Cheadle (N. Staffs.)	646	66	25th	43	27th	63·1	48·4	55 4	+ 3·8	1	0·10	3	- 12	Cheadle	•	•	•	0	36	•	•	•	•
	p Shrewsbury	191	68	24, 29	45	24, 29	65 0	49·4	56·8	+ 4·0	1	0·09	2	- 8	Shrewsbury	•	•	•	0	36	•	•	•	•
	a Hereford§	291	68	29th	41	24th	63·7	46·4	54·6	+ 1·8	1	0·12	3	- 9	Malvern§	3·5	—	29	0	36	57·4	•	58·0	•
	a Clifton	229	68	24th	46	27th	63·4	51·7	57·3	+ 2·4	1	0·24	6	- 14	Clifton	3·5	—	29	0	44	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	67	24th	40	27th	63·3	45·7	54·1	+ 2·0	2	0·26	7	- 8	Worthing	6·5	+ 1·1	55	0	42	59·7	+1·9	60·2	+2·0
	p Salisbury (Wilton)	180	68	25, 27, 28	38	28th	65·9	47·1	56·1	+ 2 5	2	0·13	3	- 12	Marlborough	3·6	- 0·5	30	0	36	56·6	•	56·5	•
	a Wisley, Surrey	150	71	25th	41	28th	66·9	47·3	56·6	+ 2·8	1	0·03	1	- 13	Salisbury	•	•	•	0	37	59·5	•	•	•
	a Tunbridge Wells	354	73	25th	41	28th	66·4	47·6	56·6	+ 2·3	1	0·02	1	- 15	Wisley	5·6	+ 1·1	47	0	31	58 5	+2·0	58·2	+0·6
	a Margate	53	70	24, 25	49	28th	65·7	53·3	59·2	+ 2·8	0	0·00	0·1	- 13	Tunbridge Wells	6·2	+ 1 3	52	0	36	59·9	+2·9	59·9	•
															Margate	5 9	+ 1·1	50	0	43	60·7	+4·2	61·3	+4·1
	a Dungeness	21	67	25th	43	28th	64·7	49·9	56·9	+ 1·0	1	0·01	0·3	- 15	Dover	6·1	—	51	1	30	•	•	•	•
	p St. Leonards	178	67	25th	48	28th	65·1	52·6	58·6	+ 2·8	2	0·12	3	- 13	St. Leonards	6·2	+ 0·9	52	0	40	60·3	•	60·1	•
	p Southampton	64	66	23rd	44	28th	63·7	49·9	56·5	+ 0·6	2	0·08	2	- 14	Southampton	4·4	- 0·6	37	0	37	•	•	•	•
	a Ventnor	59	67	24, 29	51	28th	65·1	53·6	59·1	+ 1·9	1	0 09	2	- 15	Ventnor	6·6	+ 1 5	53	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	68	24, 25	46	27-29	65·3	49·6	57·1	+ 2·6	1	0·06	2	- 10	Richmond	5·3	+ 1·0	45	0	32	58·3	+2·0	57·9	+1·3
	a Westminster	27	72	25th	46	28th	67·5	49·5	58·1	+ 2·3	1	0·01	1	- 10	Westminster	5·1	+ 1·5	43	0	40	•	•	•	•
	ag Greenwich	155	73	25th	43	28th	68 1	49·3	58·3	+ 3·0	1	0·04	1	- 11	Greenwich	6·1	+ 1·6	51	0	33	•	•	•	•
	a Hampstead	450	69	25th	45	28th	64·7	48·4	56·2	—	1	0·05	1	—	Hampstead	4·7	—	40	0	37	•	•	•	•
	ag Camden Square	110	73	24, 25	45	28th	69·9	49 6	58·3	+ 3·5	1	0·05	1	- 11	Camden Square	4·6	+ 1·0	39	0	44	•	•	•	•
7. a, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	62	25th	45	29th	57·6	50·3	53·8	+ 1·9	6	0·81	21	- 2	Aspatria	0·9	- 3·2	8	0	40	54·0	•	54·0	•
	p Newton Rigg	559	66	25th	43	29th	59·3	48·9	53·9	+ 3·1	4	0·46	12	- 8	Newton Rigg	1·0	- 2·7	8	0	34	55 1	+0·6	54·4	+0·4
	p Stonyhurst	377	67	25th	47	29th	61·0	51·4	55·5	+ 3·5	3	0·46	12	- 14	Stonyhurst	2·5	- 1·1	21	0	42	•	•	•	•
	p Blackpool	66	68	25th	48	29th	62·3	53·6	57·7	+ 4·3	3	0 50	13	- 8	Blackpool	2·6	- 1·6	22	0	39	57 9	•	58·2	•
	a Southport	37	71	25th	51	24, 29	62·4	52·9	57·4	+ 4·1	3	0·63	16	- 4	Southport	3·5	- 0·5	29	0	43	57 2	+1·3	58·3	+1·2
															Hoylake	3·5	- 0·4	29	•	•	•	•	•	•
	a Liverpool (Bidston)	188	69	25th	48	27th	62·0	51·7	56·6	+ 2·8	2	0·39	10	- 8	Liverpool	3·3	—	28	0	42	•	•	•	•
	a Hawarden Bridge	22	70	25th	50	27th	64·9	53·3	58·8	+ 4·6	2	0·14	4	- 11	Manchester (City)	2·8	- 0·3	24	0	44	57·5	+2·2	59·0	+2·4
	p Manchester (Whit. Pk.)	125	69	25th	46	27th	64·0	51·0	57·2	+ 3·2	2	0·23	6	- 12	Whitworth Park	2·7	- 0·5	25	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	16	69	25th	52	24, 29	62·9	53·7	58·1	+ 3·2	2	0·32	8	- 11	Llandudno	4·0	- 0·3	34	•	•	•	•	•	•
	a Holyhead	15	65	24th	51	29th	60·7	53·4	56·9	+ 2·3	4	0·68	17	- 4	Holyhead	0·8	—	7	0	43	•	•	•	•
	p Bettws-y-Coed	148	65	25, 29	46	29th	61·9	51·3	56·4	+ 3·8	3	0·47	12	—	Bettws-y-Coed	2·7	—	23	•	•	55·6	+2·5	54·0	+0·5
	p Aberdovey	22	63	24th	54	24, 29	61·3	56·1	58·6	—	3	0·57	14	—	Aberdovey	2·6	- 1 9	22	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	62	24, 25, 29	50	24th	61·0	54·0	57·3	—	2	0·44	11	—	Aberystwyth ..	2·6	- 1·7	22	*	*	*	*	*	*
a Rhayader	767	64	29th	44	24th	60·0	50·3	54·9	—	1	0·10	3	—	Rhayader ..	3·1	—	26	0	34	*	*	*	*
a St. Ann's Head	149	61	23rd	54	29th	59·4	56·0	57·6	+ 2·6	3	0·40	10	- 10	St. Ann's Head	2·9	- 1·3	24	*	*	*	*	*	*
p Cardiff	202	67	24th	45	27th	62·4	50·7	56·3	+ 2·5	2	0·27	7	- 16	Cardiff	2·8	—	24	0	36	58·2	+3·2	58·1	+1·4
b, ENGLAND, S.W.																						
a Bath	66	68	24, 29	43	24, 27	64·4	49·3	56·5	+ 2·3	1	0·16	4	- 11	Bath	*	*	*	*	*	60·2	+2·2	60·5	+1·5
a Shaftesbury	722	67	29th	46	27th	62·4	50·1	56·0	+ 2·5	2	0·18	5	- 13	Shaftesbury ..	*	*	*	*	*	57·9	*	58·4	*
a Arlington	613	65	24th	43	24th	61·3	49·5	55·1	+ 1·9	2	0·95	24	- 6										
a Newquay	190	64	23, 24	46	24th	62·0	50·6	56·0	+ 0·1	2	0·16	4	- 16	Newquay ..	4·1	- 0·4	34	0	33	59·6	*	58·7	*
a Cullompton	202	68	29th	41	27, 28	64·7	47·9	56·9	+ 1·9	2	0·23	6	- 12	Cullompton ..	2·5	- 1·4	21	0	39	57·7	*	*	*
a Portland Bill	19	64	23, 29	53	24th	62·1	55·4	58·6	+ 2·1	2	0·09	2	- 13	Weymouth ..	5·5	—	46	*	*	*	*	*	*
p Plymouth	116	64	23, 24, 29	43	28th	62·1	49·6	55·6	0·0	2	0·37	9	- 9	Plymouth ..	2·5	- 1·9	21	0	38	58·5	+0·7	58·9	*
a Falmouth	167	66	29th	46	27, 28	62·9	49·7	56·0	+ 0·5	3	0·30	8	- 14	Falmouth ..	3·6	- 1·0	30	0	39	60·8	*	60·4	*
9. IRELAND, N.																						
a, West .. { *a* Malin Head	208	64	24th	50	27th	58·6	52·3	55·3	+ 2·2	6	0·51	13	- 6	Malin Head ..	1·4	—	12	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	59	24, 25, 28	48	24th	57·6	50·0	53·6	- 0·4	5	0·63	16	- 13	Markree Castle	1·1	- 2·1	9	0	40	56·7	*	55·4	*
{ *p* Markree Castle ..	122	64	25th	45	23, 27	62·1	49·4	55·5	+ 3·8	5	0·29	7	- 17										
b, East .. { *p* Armagh	196	67	25th	47	27th	61·9	50·4	55·9	+ 3·8	4	0·28	7	- 10	Armagh	0·6	- 2·8	5	0	45	55·6	-0·1	54·9	-0·7
{ *a* Donaghadee	101	65	25th	47	28th	60·1	50·1	54·9	+ 1·8	3	0·28	7	- 10										
10. IRELAND, S.																						
p Dublin, City	47	67	25th	49	27th	62·7	52·4	57·3	+ 3·2	3	0·24	6	- 7	Dublin City ..	*	*	*	0	43	*	*	*	*
a Birr Castle	175	69	25th	48	27, 29	61·9	51·3	56·4	+ 4·1	4	0·24	6	- 9	Trinity Coll. ..	*	*	*	0	44	57·2	+1·4	56·2	+0·3
a Kilkenny	212	66	23rd	43	27, 29	62·6	50·3	56·2	+ 3·3	2	0·22	6	- 10	Phœnix Park ..	1·7	- 2·3	14	0	42	-	*	*	*
a Waterford	20	67	23rd	45	29th	62·9	53·4	57·9	+ 3·9	3	0·29	7	- 12	Birr Castle ..	0·9	- 2·8	8	0	41	*	*	*	*
a Seskin, Carrick-on-Suir	541	65	23rd	47	26, 27	62·1	50·7	56·1	—	2	0·24	6	—	Seskin	2·9	—	24	0	42	*	*	*	*
a Cahir	198	65	29th	41	29th	61·4	50·7	55·8	+ 2·7	3	0·37	9	—										
a Foynes	50	71	25th	49	27th	63·9	53·0	58·2	+ 4·3	2	0·17	4	- 15										
a Cahirciveen (Val. Obs.)	30	62	29th	52	27th	60·3	54·7	57·4	+ 2·5	5	0·37	10	- 18	Cahirciveen ..	1·4	- 2·5	12	0	48	*	*	*	*
a Killarney	174	67	29th	46	29th	64·5	53·9	59·0	+ 4·6	4	0·39	10	- 15	Ballinacurra ..	1·8	- 2·0	15	*	*	*	*	*	*
a Roche's Point	32	62	28th	48	29th	60·1	54·0	56·9	+ 2·0	5	0·51	13	- 7										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	64	24th	52	28, 29	62·6	54·1	58·2	+ 1·2	5	0·16	4	- 15	Scilly	4·8	+ 0·1	40	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	70	24th	45	28th	65·0	49·4	56·8	- 1·3	1	0·12	3	- 17	St. Heliers ..	6·2	+ 1·7	57	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	72	24th	47	28th	66·6	52·3	59·1	+ 0·9	2	0·22	6	- 16	Guernsey† ..	6·9	+ 1·7	53	0	40	59·8	+0·4	60·7	+0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 29th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.		Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	29	hr. 2	22, 23, 27, 28	43	70	44	9	0	WSW.	19	22	18	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	30	76	62	0	—	8	25	4	20	25	1	55
Aberdeen	153	105	52	—	—	25	2	53	80	27	6	S.W. by S.	11	25	13	21	25	3	20
Edinburgh	485	39	31	—	—	24, 25, 27	16	105	41	6	0	S. by W.	15	25	3	23	25	3	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	24, 25, 27, 28	39	80	33	16	0	SW. by W.	15	27	12	24	27	9	40
Paisley	188	81	52	—	—	27	1	52	102	13	0	WSW.	11	27	7	27	27	7	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	36	67	60	5	SW.	10	25	9	20	27	16	30
South Shields	72	61	12	—	—	—	—	26	116	26	0	W. by S.	11	25	5	19	25	4	55
Spurn Head	66	40	‡	—	—	—	—	23	100	26	19	—	9	26	17	14	26	16	50
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	7	149	12	0	SW.	7	26	19	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	22	130	16	0	—	9	26	17	13	26	17	20
Shoeburyness	103	90	‡	—	—	26	2	18	133	14	1	SW. by S.	12	26	16	17	26	16	30
4. MIDLAND COUNTIES.																			
Benson	270	81	‡	—	—	—	—	13	99	56	0	SSW.	10	27	14	27	27	13	55
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	26	3	19	75	56	15	—	11	26	17	17	26	20	50
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	—	—	—	—	—	—	—	—
Brighton	281	53	6	—	—	—	—	11	102	55	0	—	8	26	16	13	26	16	10
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	9	77	82	0	SW. by S.	8	26	15	14	26	15	30
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	29	130	9	0	SW.	8	27	11	13	27	11	25
Fleetwood (Cup Anr.) ..	109	44	—	—	—	26 to 28	8	78	76	6	0	W. by S.	13	26	23	—	—	—	—
Southport	80	62	48	—	—	26 to 28	32	60	62	5	0	SW. by W.	14	27	12	19	23	10	45
Holyhead	60	40	‡	—	—	24, 25, 27, 28	19	123	26	0	0	SW. by S.	13	25	2	19	25	1	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	26	4	19	68	77	0	SW.	12	26	10	17	27	10	15
Plymouth	185	88	2	—	—	—	—	22	54	92	0	—	8	26	14	12	26	12	15
Lyme Regis	556	61	‡	—	—	—	—	8	49	108	3	—	9	26	15	13	26	13	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	26	1	78	74	15	0	SW. by S.	11	26	2	—	—	—	—
Quilty	100	40	‡	—	—	27	2	106	57	3	0	—	11	27	4	16	27	2	45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	87	69	12	0	S.	10	24	22	15	24	21	35
Weaver Pt.	160	30	‡	—	—	—	—	34	117	17	0	—	8	25	10	13	24	16	5
11. ENGLISH CHANNEL.																			
Scilly	150	52	‡	—	—	—	—	14	43	111	0	NW.	8	23	15	12	26	16	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s, [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-NINTH WEEK of 1917—September 23rd to September 29th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	62	40	86·6	80·7	83·5	+ 0·4	62	+ 3	0	− 2	6	+ 1	2·30	59	+ 33	1·7	−1·3	15	1008
Eastern.																			
1. SCOTLAND, EAST ...	69	32	88·1	81·2	84·4	+ 1·1	74	+ 12	0	− 2	4	0	0·36	9	− 6	1·8	−1·6	15	1011
2. ENGLAND, N.E.	72	38	90·2	83·2	86·6	+ 2·0	101	+ 25	0	0	1	− 3	0·14	4	− 8	3·2	−1·0	26	1017
3. ENGLAND, EAST ...	74	43	91·4	82·9	86·9	+ 1·7	106	+ 22	0	0	1	− 2	0·05	1	− 13	5·3	+0·6	45	1021
4. MIDLAND COUNTIES ...	71	41	90·6	82·7	86·4	+ 1·8	99	+ 22	0	− 1	2	− 1	0·15	4	− 9	3·7	−0·4	31	1021
5. ENGLAND, S.E.	73	38	91·4	82·8	86·9	+ 1·0	106	+ 14	0	0	1	− 2	0·08	2	− 13	5·6	+0·8	47	1022
Western.																			
6. SCOTLAND, WEST ...	68	40	87·7	82·9	85·2	+ 1·1	83	+ 13	0	− 1	6	+ 2	0·79	20	− 6	0·7	−2·7	6	1015
7. ENGLAND, N.W.	71	43	89·5	83·9	86 6	+ 1·8	102	+ 23	0	0	3	− 1	0·45	12	− 8	2·5	−1·3	21	1019
8. ENGLAND, S.W.	68	41	89·8	83·5	86·5	+ 1·0	100	+ 12	0	− 1	2	− 2	0·31	8	− 13	3·0	−1·1	26	1022
9. IRELAND, NORTH ...	69	45	88 8	83·3	85·9	+ 1·5	93	+ 20	0	0	5	0	0·37	9	− 13	0·9	−2·5	7	1014
10. IRELAND, SOUTH ...	71	41	89·8	84·4	87·0	+ 1·8	106	+ 23	0	0	3	− 1	0·31	8	− 11	1·5	−2·4	12	1019
11. ENGLISH CHANNEL ...	72	45	91·2	84·1	87·4	+ 0·1	112	+ 2	0	0	3	− 1	0·17	4	− 15	6·2	+1·1	52	1023

THE SEASON (Autumn).—Aggregates, &c., for the Period of 4 Weeks, September 2nd to September 29th, 1917.

0. SCOTLAND, NORTH ...	68	34	87·5	81·5	84·3	+ 0·3	290	+ 15	0	− 2	23	+ 5	6·52	167	+ 80	3·0	−0·5	24	1008
Eastern.																			
1. SCOTLAND, EAST ...	70	29	89·2	80·7	84·7	+ 0·4	310	+ 19	0	− 3	15	+ 1	1·65	42	− 9	4·3	+0·3	34	1011
2. ENGLAND, N.E.	73	38	90·9	83·1	86·8	+ 1·3	416	+ 67	0	0	8	− 4	0·62	16	− 23	4·8	+0·2	38	1015
3. ENGLAND, EAST ...	75	38	91·8	83·4	87·4	+ 1·0	448	+ 53	0	0	7	− 4	1·47	37	− 7	5·7	+0·6	46	1018
4. MIDLAND COUNTIES ...	77	37	91·4	83·0	86·9	+ 1·2	422	+ 59	0	− 2	11	0	1·48	37	− 6	4·3	−0·2	34	1018
5. ENGLAND, S.E.	75	38	91·8	84·2	87·8	+ 0·8	467	+ 46	0	0	9	− 2	1·27	32	− 16	5·6	+0·2	45	1019
Western.																			
6. SCOTLAND. WEST ...	75	35	89·1	82·8	85·8	+ 0·9	366	+ 47	0	− 1	22	+ 8	3·10	78	− 6	3·4	−0·8	27	1014
7. ENGLAND, N.W.	73	40	90·1	83·9	86·9	+ 1·1	418	+ 57	0	0	15	+ 1	2·09	54	− 9	3·8	−0·7	30	1016
8. ENGLAND, S.W.	73	35	90·5	84·0	87·1	+ 0·7	429	+ 32	0	− 1	12	− 2	2·35	60	− 4	3·9	−1·0	31	1019
9. IRELAND, NORTH ...	69	34	89·3	82·8	85·9	+ 0·7	369	+ 32	0	0	20	+ 3	2·57	64	− 4	3·1	−0·8	25	1013
10. IRELAND, SOUTH ...	71	41	90·2	83·6	86·8	+ 0·8	413	+ 39	0	0	18	+ 3	1·55	40	− 26	3·3	−1·2	26	1017
11. ENGLISH CHANNEL ...	77	45	91·3	85·6	88·3	+ 0·2	490	+ 9	0	0	14	+ 1	1·41	35	− 21	5·7	−0·4	46	1020

THE YEAR 1917.—Aggregates, &c., for the Period of 39 Weeks, December 31st, 1916, to September 29th, 1917.

0. SCOTLAND, NORTH ...	81	10	84·0	78·0	80·9	− 0·2	1838	+ 21	684	+143	175	− 4	30·74	781	− 98	3·7	+0·1	28	1013
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·7	77·1	80·7	− 0·7	1945	− 84	884	+264	139	−13	20·60	527	− 25	4·1	−0·1	31	1013
2. ENGLAND, N.E.	87	5	85·6	78·5	81·9	− 0·4	2415	+ 89	781	+309	134	− 2	18·05	459	+ 18	4·3	−0·3	33	1014
3. ENGLAND, EAST ...	93	5	86·5	78·9	82·5	− 0·4	2754	+ 85	786	+292	126	− 5	18·57	474	+ 51	4·9	−0·1	37	1015
4. MIDLAND COUNTIES ...	89	4	86·5	78·3	82·2	− 0·5	2643	+ 44	831	+307	128	− 2	20·64	526	+ 54	4·1	−0·4	31	1015
5. ENGLAND, S.E.	90	4	86·6	79·4	82·8	− 0·7	2795	− 37	693	+314	120	− 7	21·78	554	+ 97	4·9	−0·3	38	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	85·3	78·5	81·7	− 0·5	2227	+ 5	663	+246	148	−11	26·39	671	−143	4·2	−0·2	31	1014
7. ENGLAND, N.W.	82	5	85·6	78·9	82·1	− 0·6	2461	+ 38	703	+321	133	−11	23·47	599	− 14	4·4	−0·1	34	1015
8. ENGLAND, S.W.	86	4	86·0	79·3	82·5	− 0·8	2573	− 94	619	+317	133	−10	25·86	658	+ 8	4·8	−0·2	37	1015
9. IRELAND, NORTH ...	76	7	85·3	78·9	82·0	− 0·6	2247	− 62	536	+196	167	−10	25·69	655	− 24	3·8	−0·2	29	1014
10. IRELAND, SOUTH ...	77	9	86·4	79·5	82·8	− 0·6	2611	− 43	501	+241	159	+ 4	26·31	670	− 33	4·3	−0·2	32	1015
11. ENGLISH CHANNEL ...	83	22	86·7	81·1	83·8	− 0·8	2899	−172	347	+242	134	−12	21·45	545	+ 18	5·7	−0·2	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : October 4th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 157

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 40.

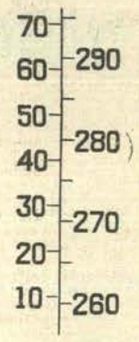
THE FORTIETH WEEK OF 1917.

SUNDAY, SEPTEMBER 30TH, TO SATURDAY, OCTOBER 6TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the commencement of the week anticyclonic conditions prevailed over the south of England with calm weather, high day temperatures and much night mist and fog. By Friday morning the presence of a deep depression over Scandinavia together with an anticyclone over the North-Eastern Atlantic had caused a strong North-Westerly current to set in over the whole country with a marked fall of temperature, so that over the whole of the eastern and south-eastern parts of England afternoon temperatures were commonly 10 a. or more lower at the end of the week than on Monday and Tuesday, and on the night of Saturday the 6th October temperature in the screen fell below the freezing point at many stations in different parts of the country. Mean temperature for the week differed little from the normal in most districts. It was slightly deficient in Scotland, but in excess in England and Ireland. The departure in no case amounted to so much as 1 a. During the first three days of the week temperature reached 295 a. at many stations in England, but in Scotland the readings did not much exceed 288 a. There were some low readings of thermometers exposed over grass, 267 a. at Dumfries and 266 a. at Cockle Park and Eskdalemuir, all on the night of the 5th. Sea temperature was about 1 a. below normal off the coasts of north-east England and south-west Ireland; in other districts it was slightly in excess.



Temperature Scales.

Rainfall was light in England North-East and the Channel Islands, but in most districts it was heavy. In Scotland West, England North-West and the Midland Counties the excess amounted to over 15mm. A few heavy falls on individual days were reported, the largest being 42mm. at Arlington (near Barnstaple) and Clifton College (Bristol) and 36mm. at Cardiff, all on the 3rd.

Snow fell in Scotland on the last two days of the week and hail was reported more generally over the country.

Sunshine was abundant over England, but there was a slight deficiency in Scotland. In England East and South-East a mean of six hours per day was recorded; 10 hours or more were measured on some days at individual stations. Lightning was reported from several stations in the east of England on the evening of the 5th and a thunderstorm at Manchester on the same day.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	16	5·2	21	4·6	18	2·3	12	3·2	16	5·3	12	2·9	16	3·7	19	4·8
North	10	5·4	2	4·8	6	1·6	5	2·2	10	6·8	14	7·1	7	2·7	3	4·6
West	24	6·5	27	4·4	21	3·7	16	3·0	28	5·2	18	7·2	23	5·9	18	6·2
East	0	—	0	—	5	1·0	1	1·0	0	—	8	2·8	3	3·2	8	1·5
Calm	0	—	0	—	2	—	11	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet; *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual
	Rainfall ...	Heavy	Moderate	Light	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Very abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Scanty	Abundant

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 5 weeks from Sept. 2nd, 1917.	Warmth ...	1, 4, 0	1, 4, 0	3, 2, 0	3, 2, 0	3, 2, 0	2, 3, 0	2, 3, 0	3, 2, 0	2, 3, 0	2, 3, 0	3, 2, 0	2, 3, 0
	Rainfall ...	5, 0, 0	0, 3, 2	0, 1, 4	2, 1, 2	2, 1, 2	0, 2, 3	1, 3, 1	1, 2, 2	2, 1, 2	1, 2, 2	1, 2, 2	0, 4, 1
	Sunshine ...	2, 1, 2	2, 2, 1	2, 2, 1	2, 2, 1	2, 1, 2	3, 1, 1	0, 4, 1	1, 2, 2	2, 0, 3	0, 4, 1	0, 2, 3	2, 1, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(13604—19.) Wt. 153—442. 450. 10/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. *a* Lerwick	54	58	2nd	37	6th	50·7	43·9	47·2	− 1·2	7	2·40	61	+ 36										
p Deerness	160	59	2nd	37	5th	51·6	44·4	47·9	—	7	1·06	27	+ 3	Deerness	2·9	+ 0·2	26	•	•	•	•	•	•
a Stornoway	51	58	30, 1, 2	33	6th	51·4	43·3	47·2	− 1·9	7	1·85	47	+ 14	Stornoway	2·8	− 0·3	25	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	57	1, 2	38	6th	52·7	47·0	49·8	+ 0·3	6	1·46	37	—	Castlebay	2·1	—	19	•	•	•	•	•	•
b, Mainland. *a* Wick	81	62	2nd	35	6th	52·9	42·6	47·6	− 1·4	5	0·79	20	+ 1	Fort Augustus..	1·5	− 0·9	13	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort Augustus..	68	59	2nd	34	6th	52·4	44·9	48·5	− 0·8	6	1·08	27	+ 1										
p Fort William	171	58	2nd	33	6th	52·7	44·4	48·4	− 1·7	7	2·13	54	+ 7										
1. SCOTLAND, E.																							
a Nairn	82	61	2nd	33	6th	53·3	42·7	47·8	− 0·9	3	0·63	16	+ 2	Nairn	3·6	—	32	•	•	•	•	•	•
p Gordon Castle	101	67	2nd	33	5th	55·1	43·4	49·1	− 0·5	5	0·68	17	0	Gordon Castle..	2·9	—	26	•	•	•	•	•	•
a Aberdeen	46	61	2nd	35	6th	53·7	42·3	47·8	− 1·9	5	0·43	11	− 5	Aberdeen	2·7	− 0·9	24	0	32	•	•	52·4	+0·8
a Balmoral	930	61	2nd	32	6th	51·4	41·7	46·4	+ 0·3	4	0·34	9	− 10	Balmoral	•	•	•	1	28	•	•	•	•
p Crieff	432	59	1, 2	29	6th	53·7	41·1	47·2	− 2·4	5	0·87	22	+ 1	Crathes	2·8	− 0·6	25	2	29	50·5	−1·8	53·2	+0·4
a Dundee	244	61	2nd	31	6th	54·6	42·0	48·1	—	3	0·20	5	− 10	Dundee	3·6	—	32	1	25	51·3	•	•	•
a Leith	18	64	2nd	33	6th	56·0	45·6	50·7	− 0·4	3	0·20	5	− 8	Leith	•	•	•	1	27	•	•	•	•
a Edinburgh	441	65	2nd	33	6th	55·9	45·1	50·3	—	4	0·64	16	+ 2	Edinburgh	3·9	+ 0·3	35	1	30	•	•	•	•
a West Linton	789	58	1, 2	27	6th	51·4	41·7	46·4	− 0·2	4	0·73	19	—	West Linton	3·1	—	28	1	22	•	•	•	•
p Marchmont	498	60	30th	30	6th	53·7	40·6	47·0	− 1·8	4	0·55	14	− 5	Marchmont	3·3	+ 0·1	29	1	25	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	60	30th	32	6th	53·8	43·9	48·7	—	6	2·21	56	—	Ford (Argyll)	•	•	•	2	25	54·0	•	55·4	•
p Glasgow Observatory	180	59	1, 2	35	6th	53·3	46·4	49·8	− 0·2	6	1·12	28	+ 8	Glasgow	2·8	+ 0·3	25	1	27	•	•	•	•
p Rothesay	170	62	30th	34	6th	53·3	44·6	48·8	− 1·8	6	1·73	44	+ 18	Rothesay	3·4	—	30	1	28	52·4	•	54·1	+1·4
a Kilmarnock	90	62	1st	30	6th	55·6	46·3	50·8	+ 1·5	5	1·48	38	+ 17	Kilmarnock	3·2	—	28	•	•	52·7	•	54·0	•
a Colmonell	170	61	1st	39	6th	56·1	48·4	52·1	+ 1·6	5	1·90	48	+ 23	Colmonell	•	•	•	0	34	•	•	•	•
p Cally, Gatehouse	120	59	30, 1, 2	30	6th	56·0	43·1	49·4	+ 0·1	5	2·11	54	+ 27	Dumfries	2·6	—	23	1	21	53·4	•	55·8	•
a Dumfries	160	59	30, 1	31	6th	55·1	45·1	50·0	− 0·4	4	1·29	33	+ 13	Eskdalemuir	2·8	—	25	1	19	•	•	•	•
a Eskdalemuir	794	57	1st	28	6th	51·9	41·0	46·3	—	4	1·42	36	—										
b, I. OF MAN *p* Douglas	277	59	1st	38	6th	51·9	47·3	51·0	− 0·5	5	1·78	45	+ 20	Douglas	3·1	− 0·7	27	0	33	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle	210	68	2nd	32	6th	58·6	45·3	51·8	+ 1·9	4	0·23	6	—										
a Tynemouth	71	67	2nd	32	6th	58·6	44·7	51·4	+ 0·8	2	0·16	4	− 11	Cockle Park	5·5	+ 1·9	49	1	19	•	•	•	•
p Durham	336	68	1st	30	6th	58·6	44·0	51·1	+ 1·2	3	0·19	5	− 11	Durham	5·7	+ 2·4	50	1	26	•	•	•	•
North.. *p* Rounton	249	67	2nd	29	6th	57·7	43·3	50·3	+ 0·7	4	0·26	7	− 8	Rounton	•	•	•	2	24	53·8	•	•	•
a West Witton	605	68	1st	33	6th	56·9	44·7	50·6	—	3	0·33	8	—	West Witton	•	•	•	1	27	52·6	•	53·1	•
p Scarborough	100	68	2nd	36	6th	59·4	46·4	52·7	+ 0·8	1	0·08	2	− 14	Scarborough†	4·6	+ 0·9	40	•	•	•	•	52·5	•
p York	56	72	1st	32	6th	60·9	43·1	51·7	+ 0·5	4	0·35	9	− 5	York	4·9	+ 1·7	43	•	•	54·8	+0·1	56·0	+1·0
South.. *a* Spurn Head	26	68	2nd	38	6th	59·0	48·9	53·8	+ 1·0	1	0·35	9	− 3	Spurn Head	5·2	—	46	•	•	•	•	•	•
a Lincoln	58	69	1st	38	6th	59·7	44·0	51·6	0·0	3	0·71	18	+ 5	Lincoln	•	•	•	•	•	54·4	−0·1	56·9	+1·8
a Fulbeck	180	70	1st	37	6th	59·9	44·9	52·2	+ 0·5	4	1·12	29	+ 16	Rauceby	6·1	+ 2·1	54	•	•	55·9	+1·3	56·7	+1·0
														Skegness	6·4	+ 2·1	56	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	71	1, 2	39	6th	61·3	47·1	54·0	+ 1·1	4	0·53	13	+ 1	Cromer	6·0	+ 2·1	53	•	•	•	•	•	•
p Little Massingham	280	70	1st	39	6th	60·0	43·4	51·5	0·0	4	0·87	22	+ 7	Lit. Massingham	6·6	+ 3·0	58	•	•	•	•	•	•
a Yarmouth	13	68	30th	39	6th	60·0	47·9	53·8	+ 1·0	2	?0·80	20	+ 6	Yarmouth	6·7	—	59	0	37	57·0	+0·4	58·0	+0·2
a Norwich	93	70	1, 2	40	6th	60·9	45·9	53·2	+ 1·1	4	0·85	22	+ 7	Norwich	6·4	—	56	0	33	55·6	•	•	•
a Geldeston	37	74	2nd	37	1st	63·6	43·9	53·5	+ 1·1	2	0·81	21	+ 8	Geldeston	6·3	+ 2·3	55	•	•	•	•	•	•
p Cambridge	41	69	2nd	36	6th	60·9	42·7	51·5	− 0·5	4	0·77	20	+ 9	Cambridge	6·4	+ 2·6	56	0	34	56·6	+0·8	58·1	+1·0
a Clacton-on-Sea	54	67	2nd	41	6th	60·6	48·9	54·6	+ 1·3	4	0·77	20	+ 10	Clacton	6·3	+ 2·1	55	0	37	57·4	+0·5	59·0	+1·4
a Rothamsted	424	66	30, 2	38	2nd	59·3	43·3	51·1	− 0·1	6	1·09	28	+ 14	Rothamsted	5·5	+ 1·7	48	0	32	54·2	•	•	•
p Tottenham	51	71	1st	40	6th	62·3	46·4	54·1	+ 0·7	4	0·76	19	—	Tottenham	5·1	—	45	0	39	•	•	58·9	+1·4
4. MIDLAND COUNTIES.																							
a North.. *a* Harrogate	479	68	1st	32	6th	57·4	44·3	50·7	+ 1·1	4	0·69	17	+ 2	Harrogate	5·7	+ 2·4	50	1	29	52·6	−0·1	54·0	+1·2
p Sheffield	429	70	2nd	38	6th	60·0	46·1	52·8	—	4	0·47	12	—	Sheffield	6·3	+ 3·3	55	0	34	54·6	+0·6	55·1	+1·2
p Buxton	987	66	1st	33	6th	56·9	43·0	49·7	+ 1·4	5	2·09	53	+ 29	Buxton	5·6	—	49	0	33	52·6	−0·3	54·8	+1·8
b, East.. *a* Bawtry	65	69	2nd	35	6th	59·1	44·4	51·5	+ 0·9	4	0·83	21	+ 9	Worksop	5·9	+ 2·9	52	2	28	53·5	•	55·0	•
a Nottingham	82	69	1st	40	2, 6	59·3	43·0	50·9	− 0·1	4	0·80	20	+ 8	Nottingham	5·5	+ 2·4	48	0	33	53·1	−1·0	56·3	+0·8
p Birmingham, Edgbsn.	535	68	1st	39	6th	59·3	45·6	52·3	+ 1·2	5	1·03	26	+ 13	Birmingham	6·1	+ 3·5	54	0	33	52·0	−0·7	53·1	+0·3
a Raunds	203	72	1, 2	35	2nd	61·9	40·7	51·0	− 0·5	5	0·73	19	+ 7	Raunds	•	•	•	4	27	57·4	•	57·8	•
p Oxford	208	68	1st	38	2nd	60·0	43·0	51·3	− 0·6	5	1·03	26	+ 13	Oxford	5·4	+ 1·8	47	1	30	•	•	•	•
c, West.. *a* Cheadle (N. Staffs.)	646	67	1, 2	37	6th	57·9	43·9	50·7	+ 0·9	4	2·06	52	+ 36	Cheadle	•	•	•	0	33	•	•	•	•
p Shrewsbury	191	70	2nd	37	1st	60·6	41·6	50·8	− 0·2	4	1·39	35	+ 23	Shrewsbury	•	•	•	0	32	•	•	•	•
a Hereford§	291	67	1st	37	6th	58·4	42·1	50·0	− 1·0	4	0·70	18	+ 4	Malvern§	5·3	—	46	0	31	55·0	•	57·2	•
a Clifton	229	68	1st	42	6th	60·3	48·0	54·0	+ 1·1	4	2·21	56	+ 34	Clifton	5·3	—	46	0	41	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	67	1, 2	36	6th	61·4	42·1	51·5	+ 1·3	4	1·67	42	+ 24	Worthing	6·9	+ 2·5	61	0	35	57·8	+0·6	59·3	+2·0
p Salisbury (Wilton)	180	69	3rd	35	6th	62·3	41·1	51·4	− 0·2	4	1·05	27	+ 7	Marlborough	5·3	+ 2·0	46	1	30	54·8	•	56·0	•
a Wisley, Surrey	150	71	2nd	37	30th	62·4	43·4	52·6	+ 0·9	3	0·75	19	+ 2	Salisbury	•	•	•	0	35	57·1	•	•	•
a Tunbridge Wells	354	75	2nd	38	6th	61·9	45·4	53·4	+ 1·0	3	0·66	17	− 3	Wisley	5·6	+ 1·9	49	2	27	55·9	+0·1	57·1	0·0
a Margate	53	70	2nd	40	6th	61·4	50·4	55·7	+ 1·4	4	0·40	10	− 6	Tunbridge Wells	5·5	+ 1·5	48	0	31	58·0	+1·8	59·2	•
														Margate	5·6	+ 1·7	49	0	37	58·7	+3·3	60·7	+4·0
a Dungeness	21	66	2nd	43	30, 1, 5, 6	61·3	47·9	54·4	+ 0·4	6	0·52	13	− 5	Dover	6·4	—	56	2	29	•	•	•	•
p St. Leonards	178	67	2, 3	39	6th	60·9	49·1	54·8	+ 0·7	2	0·52	13	− 7	St. Leonards	6·5	+ 2·2	57	0	34	58·1	•	59·6	•
p Southampton	64	69	2nd	41	6th	61·7	46·0	53·6	− 0·3	5	0·91	23	+ 3	Southampton	6·4	+ 2·5	56	0	33	•	•	•	•
a Ventnor	59	69	2nd	45	5, 6	62·4	52·4	57·3	+ 1·8	5	0·63	16	− 5	Ventnor	6·3	+ 2·2	55	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	68	1, 2	39	6th	61·0	44·8	52·7	+ 0·3	4	0·76	19	+ 4	Richmond	5·2	+ 1·8	46	0	32	56·3	+0·3	57·2	+0·9
a Westminster	27	72	1, 2	41	6th	63·9	47·0	55·2	+ 1·5	3	0·70	18	+ 5	Westminster	4·9	+ 2·2	43	0	35	•	•	•	•
ag Greenwich	155	73	2nd	40	6th	63·6	45·6	54·3	+ 0·5	4	0·72	18	+ 5	Greenwich	5·7	+ 1·7	50	0	34	•	•	•	•
a Hampstead	450	69	2nd	38	6th	61·0	46·3	53·4	—	4	0·82	21	—	Hampstead	6·4	—	56	0	31	•	•	•	•
ag Camden Square	110	72	2nd	41	6th	64·0	46·4	54·9	+ 1·5	5	0·80	20	+ 6	Camden Square	4·8	+ 2·1	42	0	39	•	•	•	•
7. *a*, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	61	1st	32	6th	54·6	45·6	50·0	− 0·1	5	1·09	28	+ 5	Aspatria	3·9	+ 0·2	35	1	28	52·3	•	53·7	•
p Newton Rigg	559	62	1st	29	6th	56·0	44·3	50·0	+ 0·9	5	0·72	18	− 2	Newton Rigg	4·3	+ 1·0	38	1	24	53·2	−0·5	53·9	+0·3
p Stonyhurst	377	65	1st	37	6th	56·9	45·4	51·0	+ 0·7	5	1·95	50	+ 24	Stonyhurst	4·7	+ 1·5	41	0	32	•	•	•	•
p Blackpool	66	67	1st	41	6th	58·1	47·7	52·8	+ 1·2	4	1·49	38	+ 17	Blackpool	5·0	+ 1·3	44	0	35	56·5	•	56·0	•
a Southport	37	68	1st	42	6th	57·9	47·1	52·3	+ 0·7	4	1·69	43	+ 23	Southport	5·2	+ 1·6	46	0	39	54·4	−0·4	57·4	+1·0
														Hoylake	4·7	+ 1·2	41	•	•	•	•	•	•
a Liverpool (Bidston)	188	69	1st	39	6th	58·0	46·7	52·2	+ 0·2	5	1·14	29	+ 11	Liverpool	4·5	—	40	0	40	•	•	•	•
a Hawarden Bridge	22	70	1st	42	1, 6	59·9	47·3	53·4	+ 1·0	4	1·22	31	+ 16	Manchester (City)	4·6	+ 2·0	40	0	35	55·2	+0·5	58·4	+2·3
p Manchester (Whit. Pk.)	125	71	1st	40	6th	60·7	45·9	53·1	+ 0·8	5	1·75	44	+ 26	Whitworth Park	5·0	+ 2·5	44	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	67	1st	42	6th	58·7	47·3	52·8	− 0·5	5	1·19	30	+ 11	Llandudno	4·6	+ 0·7	40	•	•	•	•	•	•
a Holyhead	15	61	30, 1	44	6th	56·9	49·3	53·0	− 0·2	5	1·31	33	+ 12	Holyhead	3·3	—	29	0	42	•	•	•	•
f Bettws-y-Coed	148	70	1st	39	6th	58·0	44·1	50·8	− 0·2	5	2·46	62	—	Bettws-y-Coed.	3·4	—	30	•	•	52·6	−0·1	53·9	+0·6
p Aberdovey	22	63	1st	44	6th	58·9	49·7	54·2	—	5	2·00	51	—	Aberdovey	4·4	+ 0·4	39	•	•	•	•	•	•

† Earth temperature at 3 ft

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	66	1st	44	6th	57·6	48·6	53·0	—	5	1·42	36	—	Aberystwyth ..	4·2	+ 0·2	37	*	*	*	*	*	*
a Rhayader	757	67	1st	35	2nd	57·6	41·3	49·2	—	4	1·48	38	—	Rhayader ..	5·6	—	49	1	29	*	*	*	*
a St. Ann's Head ..	149	60	30, 1	46	5, 6	58·7	50·6	54·5	+ 0·8	7	1·02	26	+ 4	St. Ann's Head	4·4	+ 0·6	39	*	*	*	*	*	*
p Cardiff	202	64	30th	39	6th	58·6	44·4	51·3	- 0·7	5	2·05	52	+ 27	Cardiff	5·9	—	52	0	34	56·3	+1·2	57·3	+0·8
b, ENGLAND, S.W.																							
a Bath	66	69	1st	40	2nd	62·3	46·0	53·9	+ 1·7	4	1·43	36	+ 19	Bath	*	*	*	*	*	58·4	+1·0	59·7	+1·2
a Shaftesbury	722	65	30, 1, 2	40	6th	61·0	50·0	55·3	+ 3·8	5	0·96	25	+ 4	Shaftesbury ..	*	*	*	*	*	57·4	*	57·1	*
a Arlington	613	65	1st	42	30, 5	58·4	46·1	52·1	+ 0·6	5	2·84	72	+ 38										
a Newquay	190	65	1st	42	30th	59·4	49·0	54·1	- 0·4	5	0·80	20	- 2	Newquay ..	5·0	+ 0·8	44	0	38	58·2	*	58·1	*
a Cullompton	202	69	1st	36	6th	62·7	44·7	53·4	+ 1·3	6	0·78	20	- 1	Cullompton ..	5·3	+ 1·8	46	0	31	56·0	*	*	*
a Portland Bill	19	63	30th	49	6th	59·3	53·9	56·5	+ 1·8	5	0·48	12	- 6	Weymouth ..	4·3	—	38	*	*	*	*	*	*
p Plymouth	116	68	1st	45	30, 5	60·3	48·1	54·0	+ 0·1	5	0·65	17	- 4	Plymouth ..	5·6	+ 1·5	49	0	38	56·4	-0·7	58·0	*
a Falmouth	167	63	1st	44	5, 6	59·3	49·3	54·2	+ 0·2	5	1·25	32	+ 6	Falmouth ..	3·7	- 0·6	32	0	41	60·1	*	59·7	*
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	60	30, 1	41	6th	54·6	48·4	51·4	- 0·4	5	0·94	24	+ 7	Malin Head ..	3·4	—	30	*	*	*	*	*	*
a, West .. *a* Blacksod Point ..	327	58	30, 2	40	5th	55·7	48·7	52·1	- 0·6	7	1·46	37	+ 10	Markree Castle	2·8	0·0	25	0	36	55·5	*	55·3	*
a, West .. *p* Markree Castle ..	122	63	1st	39	5th	57·4	44·9	51·0	+ 0·7	6	1·54	39	+ 17										
b, East .. *p* Armagh	196	62	1st	35	6th	56·6	45·1	50·7	+ 0·1	5	0·72	18	+ 3	Armagh	3·1	+ 0·2	27	1	29	54·5	-0·3	54·8	-0·4
b, East .. *a* Donaghadee	101	64	2nd	40	6th	56·1	46·9	51·4	- 0·3	5	1·38	35	+ 19										
10. IRELAND, S.																							
p Dublin, City	47	66	1st	40	5, 6	58·1	47·0	52·4	+ 0·2	5	1·22	31	+ 18	Dublin City ..	*	*	*	0	36	*	*	*	*
a Birr Castle	175	66	1st	38	6th	57·7	44·9	51·1	+ 0·9	5	1·02	26	+ 12	Trinity Coll. ..	*	*	*	0	36	55·8	+0·7	56·1	+0·6
a Kilkenny	212	65	1, 2	40	5th	58·3	47·0	52·5	+ 1·6	5	0·52	13	- 2	Phœnix Park ..	4·3	+ 0·5	38	0	34	*	*	*	*
a Waterford	20	63	30, 1	41	5, 6	60·4	46·9	53·5	+ 1·2	5	0·64	16	- 2	Birr Castle ..	2·8	- 0·7	25	0	34	*	*	*	*
a Seskin, Carrick-on-Suir	541	62	2nd	37	5th	57·0	44·4	50·5	—	5	0·59	15	—	Seskin	3·1	—	27	0	32	*	*	*	*
a Cahir	198	69	2nd	40	5th	57·7	47·4	52·4	+ 1·4	5	1·11	28	—										
a Foynes	50	67	1st	43	5th	58·6	49·1	53·7	+ 1·6	5	1·36	35	+ 17										
a Cahirciveen (Val. Obs.)	30	62	30th	43	5th	58·6	52·0	55·2	+ 1·7	6	1·50	38	+ 11	Cahirciveen ..	2·3	- 1·3	20	0	40	*	*	*	*
a Killarney	174	67	2nd	42	5th	59·4	50·2	54·7	+ 2·2	6	1·32	34	+ 19	Ballinacurra ..				*	*	*	*	*	*
a Roche's Point	32	62	30, 1, 2	44	5th	59·0	49·4	54·1	+ 0·7	5	0·75	19	0										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	62	30, 1	46	5th	59·3	52·0	55·5	+ 0·2	7	0·49	12	- 8	Scilly	3·9	- 0·3	34	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	71	1st	49	1, 5	64·3	51·4	57·7	+ 1·8	3	0·71	18	- 5	St. Heliers ..	6·4	+ 1·9	56	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	72	1st	49	5th	63·1	52·1	57·4	+ 1·4	5	0·54	14	- 10	Guernsey† ..	6·1	+ 1·5	54	0	?42	58·8	0·0	60·2	+0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 6th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†							Extreme Velocities.						
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.		
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.	Mid Time.		Speed.	Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day.	hr.	m/s.	d. h. m.	
0. SCOTLAND, N.																	
Deerness (Cup Anr.)** ..	188	16	5	—	—	30, 4, 5	23	108	35	2	0	NW. by W. 15	5	1	—	— — —	
1. SCOTLAND, E.																	
Dyce	305	75	15*	—	—	—	—	14	106	48	0	— 7	6	13	18	6 12	50
Aberdeen	153	105	52	—	—	3, 5, 6	8	74	85	1	0	NW. by W. 13	6	13	22	3 23	25
Edinburgh	485	39	31	—	—	2, 3	10	96	62	0	0	S. by W. 13	3	18	22	3 18	5
6. SCOTLAND, W.																	
Eskdalemuir	825	50	22	—	—	1 to 3, 5	13	96	49	10	0	WSW. 14	3	22	22	3 18	20
Paisley	188	81	52	—	—	—	—	31	134	3	0	WNW. 8	3	21	25	5 11	35
2. ENGLAND, N.E.																	
Alnwick Castle	340	70	17	—	—	—	—	15	110	19	24	WSW. 10	3	22	19	3 22	25
South Shields	72	61	12	—	—	3	2	17	119	30	0	W. 12	3	23	18	5 14	55
Spurn Head	66	40	‡	—	—	5	1	51	49	21	46	— 12	5	18	17	5 17	45
3. ENGLAND, E.																	
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	30	120	18	0	SW. 8	3	24	—	— — —	
Gorleston	52	42	‡	—	—	—	—	37	127	4	0	— 10	3	23	16	3 22	30
Shoeburyness	103	90	‡	—	—	4	6	52	65	34	11	SW. 15	4	12	23	4 13	10
4. MIDLAND COUNTIES.																	
Benson	270	84	‡	—	—	—	—	37	72	59	0	SW. by W. 10	4	16	19	4 18	25
5. ENGLAND, S.E.																	
Dover	271	40	‡	4	3	3, 4	18	25	45	62	15	— 18	4	13	25	4 10	30
Warlingham	642	33	‡	—	—	No record.		—	—	—	—	— —	—	—	—	— — —	
Brighton	261	53	6	—	—	3, 4	17	30	98	23	0	— 13	4	12	22	4 10	15
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	24	75	69	0	SW. 10	4	12	18	4 11	40
7. ENGLAND, N.W.																	
Carnforth	246	56	23	—	—	—	—	14	107	47	0	WSW. 10	3	24	17	5 16	55
Fleetwood (Cup Anr.) ..	109	44	—	5	1	3 to 6	36	62	68	1	0	WNW. 17	5	17	—	— — —	
Southport	80	62	48	3, 5	7	2 to 5	35	61	63	2	0	SW. by W. 19	3	19	30	3 18	50
Holyhead	60	40	‡	5	2	3 to 6	45	100	21	0	0	NW. by W. 18	5	5	24	3 15	45
8. ENGLAND, S.W.																	
Pendennis Castle§ ..	256	65	24	4	1	3, 4	24	38	61	44	0	SW. 18	4	6	25	4 6	20
Plymouth	185	88	2	—	—	3, 4	9	32	83	44	0	— 13	4	7	20	4 7	0
Lyme Regis	556	61	‡	—	—	3 to 5	14	49	17	76	12	— 13	4	7	19	4 10	25
10. IRELAND, S.																	
Kingstown (Cup Anr.) ..	49	27	—	—	—	3 to 5	31	61	69	7	0	SW. 17	3	16	—	— — —	
Quilty	100	40	‡	—	—	3 to 6	47	77	19	25	0	— 16	4	21	26	4 22	20
Cahirciveen (Val. Obs.)	98	41	‡	—	—	3 to 5	15	87	55	11	0	SW. 14	3	14	24	4 19	35
Weaver Pt.	160	30	‡	—	—	3, 4	5	52	84	27	0	— 15	3	15	23	3 14	50
11. ENGLISH CHANNEL																	
Scilly	150	32	‡	—	—	3 to 6	48	27	55	38	0	NNW. 16	5	4	24	5 4	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends ½ midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTIETH WEEK of 1917—September 30th to October 6th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	62	33	84·1	79·6	81·8	− 0·6	41	− 11	0	− 2	6	+ 1	1·65	42	+ 11	2·4	−0·4	21	1004
Eastern.																			
1. SCOTLAND, EAST ...	67	27	84·9	78·8	81·8	− 0·8	41	− 14	0	− 3	4	0	0·55	14	− 3	3·3	0·0	29	1007
2. ENGLAND, N.E.	72	29	88·1	80·2	84·0	+ 0·3	69	+ 4	0	− 1	3	− 1	0·38	10	− 5	5·5	+1·9	49	1011
3. ENGLAND, EAST ...	74	36	89·1	80·5	84·7	+ 0·4	77	+ 4	0	− 1	4	0	0·81	21	+ 8	6·1	+2·3	54	1014
4. MIDLAND COUNTIES ...	72	32	88·2	79·5	83·7	+ 0·2	65	− 1	0	− 3	4	0	1·15	29	+ 15	5·7	+2·4	50	1014
5. ENGLAND, S.E.	72	35	89·5	80·9	85·1	+ 0·3	82	+ 2	0	− 1	4	0	0·79	20	+ 2	6·0	+2·1	52	1015
Western.																			
6. SCOTLAND, WEST ...	62	30	85·7	80·6	83·1	− 0·2	57	− 6	0	− 1	5	+ 1	1·70	43	+ 17	3·0	−0·2	26	1009
7. ENGLAND, N.W.	71	29	87·3	80·9	84·1	+ 0·2	69	0	0	− 1	5	+ 1	1·44	37	+ 16	4·4	+1·0	39	1012
8. ENGLAND, S.W.	69	35	88·4	81·6	84·9	+ 0·3	80	+ 4	0	0	5	+ 1	1·29	33	+ 9	4·8	+1·0	42	1015
9. IRELAND, NORTH ...	66	35	86·6	81·1	83·7	0·0	65	0	0	0	6	+ 2	1·18	30	+ 10	3·0	+0·1	26	1010
10. IRELAND, SOUTH ...	69	38	87·8	82·0	84·8	+ 0·6	79	+ 5	0	− 1	5	+ 1	1·05	27	+ 8	3·1	−0·5	27	1015
11. ENGLISH CHANNEL ...	72	46	89·8	84·0	86·8	+ 0·6	104	5	0	0	5	+ 1	0·58	15	− 6	5·5	−1·1	48	1017

THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, September 2nd to October 6th, 1917.

0. SCOTLAND, NORTH ...	68	33	86·8	81·1	83·8	+ 0·1	331	+	0	− 4	29	+ 6	8·17	209	+ 91	2·9	−0·5	23	1007
Eastern.																			
1. SCOTLAND, EAST ...	70	27	88·4	80·3	84·1	+ 0·2	351	+ 5	0	− 6	19	+ 1	2·20	56	− 12	4·1	+0·2	33	1010
2. ENGLAND, N.E.	73	29	90·3	82·5	86·2	+ 1·1	485	+ 71	0	− 1	11	− 5	1·00	26	− 28	4·9	+0·5	40	1014
3. ENGLAND, EAST ...	75	36	91·3	82·8	86·9	+ 1·0	525	+ 57	0	− 1	11	− 4	2·28	58	+ 1	5·8	+0·9	47	1017
4. MIDLAND COUNTIES ...	77	32	90·7	82·3	86·3	+ 1·0	487	+ 58	0	− 5	15	0	2·63	66	+ 9	4·6	+0·4	37	1017
5. ENGLAND, S.E.	75	35	91·3	83·5	87·3	+ 0·8	549	+ 48	0	− 1	13	− 2	2·06	52	− 14	5·7	+0·6	46	1018
Western.																			
6. SCOTLAND, WEST ...	75	30	88·4	82·4	85·3	+ 0·7	423	+ 41	0	− 2	27	+ 9	4·80	121	+ 11	3·3	−0·7	27	1013
7. ENGLAND, N.W.	73	29	89·6	83·3	86·3	+ 0·9	487	+ 57	0	− 1	20	+ 2	3·53	91	+ 7	3·9	−0·3	32	1015
8. ENGLAND, S.W.	73	35	90·1	83·5	86·6	+ 0·5	509	+ 36	0	− 1	17	− 1	3·64	93	+ 5	4·0	−0·7	33	1018
9. IRELAND, NORTH ...	69	34	88·7	82·4	85·4	+ 0·5	434	+ 32	0	0	26	+ 5	3·75	94	+ 6	3·1	−0·6	25	1013
10. IRELAND, SOUTH ...	71	38	89·7	83·3	86·4	+ 0·8	492	+ 44	0	− 1	23	+ 4	2·60	67	− 18	3·2	−1·1	26	1016
11. ENGLISH CHANNEL ...	77	45	91·0	85·3	88·0	+ 0·3	594	+ 14	0	0	19	+ 2	1·99	50	− 27	5·6	−0·1	46	1019

THE YEAR 1917.—Aggregates, &c., for the Period of 40 Weeks, December 31st, 1916, to October 6th, 1917.

0. SCOTLAND, NORTH ...	81	10	84·1	78·1	80·9	− 0·3	1879	+ 10	684	+141	181	− 3	32·39	823	− 87	3·7	+0·1	28	1012
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·7	77·1	80·8	− 0·6	1986	− 98	884	+261	143	−13	21·15	541	− 28	4·1	−0·1	31	1013
2. ENGLAND, N.E.	87	5	85·7	78·5	81·9	− 0·4	2484	+ 93	781	+308	137	− 3	18·43	469	+ 13	4·3	−0·3	33	1014
3. ENGLAND, EAST ...	93	5	86·6	79·0	82·6	− 0·4	2831	+ 89	786	+291	130	− 5	19·38	495	+ 59	4·9	−0·1	37	1015
4. MIDLAND COUNTIES ...	89	4	86·6	78·4	82·3	− 0·5	2708	+ 43	831	+304	132	− 2	21·79	555	+ 69	4·1	−0·3	31	1015
5. ENGLAND, S.E.	90	4	86·7	79·4	82·9	− 0·7	2877	− 35	693	+313	124	− 7	22·57	574	+ 99	5·0	−0·2	38	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	85·3	78·5	81·8	− 0·4	2284	− 1	663	+245	153	−10	28·09	714	−126	4·1	−0·3	31	1014
7. ENGLAND, N.W.	82	5	85·7	79·0	82·2	− 0·5	2530	+ 38	703	+320	138	−10	24·91	636	+ 2	4·4	−0·1	34	1014
8. ENGLAND, S.W.	86	4	86·0	79·4	82·6	− 0·8	2653	− 90	619	+317	138	− 9	27·15	691	+ 17	4·8	−0·1	37	1015
9. IRELAND, NORTH ...	76	7	85·4	79·0	82·0	− 0·6	2312	− 62	536	+196	173	− 8	26·87	685	− 14	3·8	−0·2	29	1014
10. IRELAND, SOUTH ...	77	9	86·4	79·6	82·9	− 0·5	2690	− 38	501	+240	164	+ 5	27·36	697	− 25	4·2	−0·3	32	1015
11. ENGLISH CHANNEL ...	83	22	86·7	81·2	83·8	− 0·8	3003	−167	347	+242	139	−11	22·03	560	+ 12	5·7	−0·2	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : October 11th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 161

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

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FORTIETH YEAR. Vol. XXXIV. (New Series.) } No. 41.

THE FORTY-FIRST WEEK OF 1917.
SUNDAY, OCTOBER 7TH, TO SATURDAY, OCTOBER 13TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

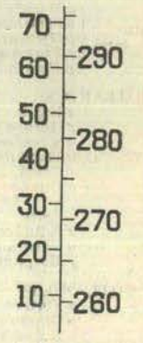
In the early part of the week two depressions followed one another in quick succession across the north of Scotland. The second of these remained for a day or two over the eastern part of the North Sea, and there was a brief spell of Northerly winds until another disturbance arrived. Westerly winds with unsettled weather characterised the week as a whole; the force of a gale was reached on more than one occasion.

Temperature was unseasonably low, especially in the north and east, where the mean was from 3 a. to 4 a. below the normal, but in the south-western districts the difference was only about 2 a. Even on the south coasts of England and Ireland the thermometer never rose above 289 a., while on the morning of the 7th the conditions were of a thoroughly wintry type in Scotland, the minimum being as low as 267 a. at Eskdale, Balmoral and West Linton, and snow lay to a depth of 5cm. at Marchmont and West Linton. The low air temperature was due in part to the cooling of the surrounding seas. The sea temperatures were all lower than the normal, by 4 a. off Berwick and the south-west of Ireland, where the drop compared with the preceding week was 3 a.

The week's total of rainfall was everywhere excessive; very commonly it was double the normal, and even treble at one or two stations. The amount of sunshine was moderate, 30 per cent. below the normal in south-west England, 50 per cent. below in the Channel Islands, and a trifle in excess on the east coast of England.

There was more thunderstorm activity than might have been expected considering the low temperature. Either thunder or lightning was reported from some part of the country on every day. On the 7th storms visited the Midlands and East Anglia during the day, and on the 13th there was lightning at Douglas (Isle of Man), Cromer, Cardiff and Falmouth, and also at a number of stations in the south-east of England.

Aurora borealis was observed at Dundee, Edinburgh and Aberdeen on the 13th. Solar halos were seen on the 8th and 9th at Oxford, and on the 10th at Aberdeen.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	6	4·0	12	2·5	13	3·3	15	2·2	6	5·2	2	3·5	12	3·7	6	4·3
North	17	5·2	7	3·3	5	2·6	7	1·7	18	6·4	19	9·0	5	5·2	19	6·3
West	5	2·9	22	3·8	25	4·8	25	3·6	24	9·1	24	11·0	26	9·0	26	6·9
East	16	4·1	2	2·8	1	5·8	1	0·8	3	1·8	1	5·0	0	—	0	—
Calm	3	—	1	—	1	—	2	—	0	—	0	—	0	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Very heavy	Very heavy	Heavy	Heavy	Very heavy
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Very scanty

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 6 weeks from Sept. 2nd, 1917.	Warmth ...	1, 4, 1	1, 4, 1	3, 2, 1	3, 2, 1	3, 2, 1	2, 3, 1	2, 3, 1	3, 2, 1	2, 3, 1	2, 3, 1	3, 2, 1	2, 3, 1
	Rainfall ...	5, 1, 0	1, 3, 2	1, 1, 4	3, 1, 2	3, 1, 2	1, 2, 3	2, 3, 1	2, 2, 2	3, 1, 2	2, 2, 2	2, 2, 2	1, 4, 1
	Sunshine ...	2, 1, 3	2, 3, 1	2, 3, 1	2, 3, 1	2, 1, 3	3, 2, 1	0, 5, 1	1, 3, 2	2, 0, 4	0, 5, 1	0, 3, 3	2, 1, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(13692—19.) Wt. 153—442. 450. 10/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean	Deviation from Average	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands.. a Lerwick	54	48	9, 10	33	7th	46·4	38·0	42·1	- 4·6	6	1·06	27	+ 4										
p Deerness	180	49	9th	35	7th	46·7	39·4	42·9	—	7	1·61	41	+ 19	Deerness	2·4	- 0·1	23	•	•	•	•	•	•
a Stornoway	51	—	—	—	—	—	—	—	—	—	—	—	—	Stornoway	•	•	•	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
b, Mainland. a Wick	81	50	9th	30	7th	48·1	36·7	42·2	- 4·8	7	1·30	33	+ 16	Fort Augustus..	1·0	- 1·2	9	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	47	9th	28	7th	43·9	34·7	39·2	- 6·9	7	1·66	42	- 6										
p Fort Augustus..	68	49	10th	29	7, 13	45·7	34·7	40·0	- 7·1	7	0·95	24	+ 1										
p Fort William	171	49	10th	30	7th	44·9	35·4	40·0	- 7·9	6	2·03	52	+ 12										
1. SCOTLAND, E.																							
a Nairn	82	49	10th	28	7th	47·0	32·9	39·7	- 6·8	7	1·16	29	+ 15	Nairn	2·6	—	24	•	•	•	•	•	•
p Gordon Castle	101	50	10-13	30	7th	48·1	35·6	41·7	- 5·9	7	1·46	37	+ 19	Gordon Castle..	2·4	—	22	•	•	•	•	•	•
a Aberdeen	46	51	12th	32	7th	48·1	36·4	42·1	- 5·6	7	1·54	39	+ 22	Aberdeen	3·1	+ 0·3	29	2	25	•	•	50·7	-0·4
a Balmoral	930	45	10, 13	22	7th	43·0	30·3	36·5	- 7·5	7	1·07	27	+ 6	Balmoral	•	•	•	5	19	•	•	•	•
p Crieff	432	51	10th	27	7th	45·7	31·7	38·5	- 8·8	6	1·07	27	+ 4	Crathes	2·9	- 0·2	27	4	19	45·4	-5·4	51·2	-1·0
a Dundee	244	51	13th	26	7th	47·6	33·7	40·4	- 6·8	6	1·20	30	+ 14	Dundee	2·9	—	27	5	21	45·6	•	•	•
a Leith	18	50	8, 9, 10	32	7th	47·9	35·6	41·6	- 7·4	6	0·91	23	+ 9	Leith	•	•	•	3	25	•	•	•	•
a Edinburgh	441	48	8, 10	33	7th	45·6	37·1	41·2	- 6·7	5	0·76	19	+ 4	Edinburgh	1·9	- 1·1	18	2	27	•	•	•	•
a West Linton	769	46	9, 10	22	7th	44·4	30·9	37·5	- 7·1	6	0·88	22	—	West Linton	1·9	—	18	4	18	•	•	•	•
p Marchmont	498	49	9, 12	28	7th	45·9	35·1	40·3	- 6·4	7	1·84	47	+ 25	Marchmont	2·0	- 0·5	19	5	23	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	48	7, 11, 13	27	7th	46·4	34·3	40·2	—	5	3·22	82	—	Ford (Argyll)	•	•	•	4	21	48·0	•	53·6	•
p Glasgow Observatory	180	50	10th	33	7th	46·4	37·0	41·6	- 6·5	8	1·03	26	+ 7	Glasgow	1·3	- 0·9	12	4	24	•	•	•	•
p Rothesay	170	51	10th	35	7, 11, 13	47·0	37·4	42·1	- 6·7	5	2·39	61	+ 36	Rothesay	1·7	—	16	4	27	45·9	•	51·6	-0·6
a Kilmarnock	90	52	10th	31	7, 13	49·1	34·4	41·5	- 6·0	6	1·67	42	+ 22	Kilmarnock	1·4	—	13	•	•	45·9	•	52·1	•
a Colmonell	170	55	10th	32	7th	51·0	40·1	45·4	- 3·4	5	2·21	56	+ 31	Colmonell	•	•	•	1	30	•	•	•	•
p Cally, Gatehouse	120	54	10th	30	7, 11	51·6	35·6	43·4	- 4·4	5	1·80	46	+ 19	Dumfries	1·6	—	15	5	21	47·1	•	53·1	•
a Dumfries	160	50	7, 10	30	7th	48·3	36·0	42·0	- 6·4	6	1·13	29	+ 8	Eskdalemuir	2·2	—	20	5	14	•	•	•	•
a Eskdalemuir	794	47	9, 10, 12	21	7th	46·1	31·0	38·3	—	7	1·57	40	—										
b. I. OF MAN p Douglas	277	54	7th	37	7th	51·1	40·1	45·4	- 4·4	7	2·04	52	+ 26	Douglas	4·2	+ 0·8	39	0	33	•	•	•	•
2. ENGLAND, N.E.																							
a North.. a Alnwick Castle	210	53	10th	28	7th	49·9	34·9	42·2	- 6·0	7	1·55	40	+ 18										
a Tynemouth	71	50	8–10, 12	32	7th	48·0	36·3	42·0	- 6·9	6	1·34	34	+ 16	Cockle Park	4·7	+ 1·4	43	◦	•	◦	◦	◦	◦
p Durham	336	?	?	28	7th	?51·0	31·7	?42·6	- 5·5	7	0·83	21	+ 2	Durham	3·8	+ 0·8	35	3	22	•	•	•	•
p Rounton	249	52	12th	28	7th	49·9	35·7	42·6	- 5·3	7	1·53	39	+ 22	Rounton	•	•	•	3	22	48·3	•	•	•
a West Witton	605	51	13th	27	7th	49·1	34·3	41·5	—	6	1·52	39	—	West Witton	•	•	•	4	25	46·1	•	51·7	•
p Scarborough	100	55	9th	34	7th	?52·1	41·1	?46·4	- 3·7	6	1·66	42	+ 23	Scarborough†	3·2	- 0·2	29	•	•	•	•	52·5	•
p York	56	53	8, 9	30	7th	51·1	37·0	43·8	- 5·5	7	1·43	36	+ 20	York	3·2	+ 0·3	29	•	•	48·7	-5·0	54·3	-0·2
b, South.. a Spurn Head	26	52	7th	38	7, 8, 10	49·4	40·3	44·7	- 6·3	7	1·42	36	+ 21	Spurn Head	2·7	—	25	•	•	•	•	•	•
a Lincoln	58	52	8th	32	7th	50·0	37·4	43·5	- 6·1	5	1·16	29	+ 13	Lincoln	•	•	•	•	•	48·6	-4·7	55·0	+0·4
a Fulbeck	180	58	8th	30	7, 11	50·9	36·3	43·4	- 6·3	7	1·06	27	+ 12	Rauceby	3·3	- 0·3	30	•	•	50·0	-3·3	55·4	+0·3
														Skegness	3·6	- 0·3	33	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	52	8,9,12,13	31	7th	51·0	38·0	44·3	- 6·9	6	1·56	40	+ 23	Cromer	4·3	+ 0·5	39	•	•	•	•	•	•
p Little Massingham	280	51	8, 9, 12	28	7th	49·7	35·6	42·4	- 7·4	6	1·71	44	+ 25	Lit. Massingham	3·8	+ 0·3	35	◦	•	◦	◦	◦	◦
a Yarmouth	13	53	7, 8, 9	32	7th	51·9	37·7	44·6	- 6·6	6	0·76	19	+ 1	Yarmouth	4·3	—	39	1	30	51·3	-4·4	56·1	-0·9
a Norwich	93	54	8th	31	7th	51·4	38·1	44·6	- 5·8	7	1·46	37	+ 18	Norwich	4·4	—	40	2	25	49·9	•	•	•
a Geldeston	37	55	8, 9	28	7th	53·4	36·9	44·9	- 5·9	7	1·32	34	+ 17	Geldeston	3·7	- 0·2	34	•	•	•	•	•	•
p Cambridge	41	58	7th	31	7th	54·0	38·9	46·2	- 4·0	6	1·21	31	+ 16	Cambridge	4·0	+ 0·2	37	1	29	51·2	-3·3	56·4	-0·1
a Clacton-on-Sea	54	57	7th	34	7th	53·1	39·3	46·0	- 5·7	5	1·42	36	+ 24	Clacton	3·9	- 0·1	36	1	29	50·3	-6·0	56·8	-0·1
a Rothamsted	424	56	7, 8	30	7th	51·0	36·9	43·7	- 5·8	7	1·42	36	+ 17	Rothamsted	3·8	+ 0·2	35	3	25	49·3	•	•	•
p Tottenham	51	59	7th	35	7th	54·0	41·6	47·6	- 2·8	5	1·30	33	—	Tottenham	3·5	—	32	0	32	•	•	57·0	-0·9
4. MIDLAND COUNTIES.																							
a North.. a Harrogate	479	—	—	—	—	—	—	—	—	—	—	—	—	Harrogate	◦	◦	◦	•	•	◦	◦	◦	◦
p Sheffield	429	53	8th	33	7th	50·0	38·4	44·0	—	6	1·98	50	—	Sheffield	2·0	- 0·9	18	2	24	49·0	-3·7	54·1	+0·6
p Buxton	987	50	7th	30	11th	46·4	35·4	40·7	- 5·9	6	2·51	64	+ 33	Buxton	2·0	—	18	3	25	45·3	-6·9	51·1	-1·6
b, East.. a Bawtry	65	52	8, 9	30	7th	49·7	36·4	42·9	- 6·0	7	1·23	31	+ 15	Worksop	1·7	- 1·2	16	3	21	48·1	•	52·8	•
a Nottingham	82	55	7th	32	7th	50·7	36·3	43·3	- 6·1	6	1·43	36	+ 20	Nottingham	1·9	- 1·0	17	3	25	46·6	-6·3	53·6	-1·6
p Birmingham, Edgbsn.	535	57	7th	34	7, 10	51·9	37·3	44·4	- 5·1	7	0·80	20	+ 2	Birmingham	2·7	+ 0·3	25	3	29	46·5	-5·2	52·1	-0·5
a Raunds	203	57	7th	30	7, 10	53·4	35·4	44·1	- 5·6	6	1·14	29	+ 13	Raunds	•	•	•	5	17	52·5	•	56·6	•
p Oxford	208	57	7, 8	34	7th	53·3	39·4	46·1	- 4·2	6	1·19	30	+ 12	Oxford	2·8	- 0·7	26	3	26	•	•	•	•
c, West.. a Cheadle (N. Staffs.)	646	53	7th	31	10th	49·1	36·1	42·4	- 5·8	6	2·13	54	+ 33	Cheadle	•	•	•	3	26	•	•	•	•
p Shrewsbury	191	59	7th	33	10th	53·7	37·6	45·4	- 4·1	7	0·87	22	+ 5	Shrewsbury	◦	◦	◦	4	25	•	•	•	•
a Hereford§	291	57	7th	32	7th	54·0	38·1	45·8	- 3·7	5	0·93	24	+ 5	Malvern§	3·5	—	32	3	25	49·1	•	55·0	•
a Clifton	229	58	8th	37	7th	53·9	42·1	47·8	- 3·4	7	2·04	52	+ 24	Clifton	3·3	—	30	0	35	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	57	7th	28	7th	53·4	36·7	44·8	- 3·9	7	1·54	39	+ 20	Worthing	2·9	- 1·3	26	1	30	52·5	-3·9	57·9	+0·7
p Salisbury (Wilton)	180	59	7th	29	7th	56·4	35·9	45·9	- 4·0	5	1·44	37	+ 14	Marlborough	2·6	- 0·6	24	3	23	49·6	•	55·0	•
a Wisley, Surrey	150	58	7th	31	7th	53·7	38·7	46·0	- 4·0	5	1·35	34	+ 17	Salisbury	◦	◦	◦	2	28	50·9	•	•	•
a Tunbridge Wells	354	58	7th	30	7th	54·0	38·9	46·2	- 4·6	5	1·49	38	+ 17	Wisley	3·0	- 0·5	27	4	20	51·1	-3·7	55·4	-1·0
a Margate	53	58	7th	35	7th	53·3	42·4	47·7	- 4·9	5	1·56	40	+ 24	Tunbridge Wells	2·8	- 1·0	25	3	23	53·1	-2·0	57·5	•
														Margate	3·0	- 0·7	28	1	30	52·6	-2·0	58·5	+2·4
a Dungeness	21	58	7, 8, 9	37	11, 12	55·9	41·3	48·4	- 4·1	5	1·77	45	+ 26	Dover	3·4	—	31	4	25	•	•	•	•
p St. Leonards	178	59	7th	35	7th	56·0	41·0	48·3	- 4·3	7	1·75	44	+ 23	St. Leonards	3·3	- 0·8	30	1	30	51·5	•	57·9	•
p Southampton	64	59	7th	33	7th	56·4	40·7	48·3	- 4·0	7	1·29	33	+ 11	Southampton	2·7	- 1·1	25	5	23	•	•	•	•
a Ventnor	59	60	7th	40	11th	57·0	44·9	50·8	- 3·3	7	1·35	34	+ 12	Ventnor	2·2	- 1·8	20	◦	•	◦	◦	◦	◦
LONDON. p Richmond (Kew Obs.)	18	59	7th	34	7th	54·1	39·4	46·5	- 4·2	5	1·14	29	+ 14	Richmond	3·2	0·0	29	3	23	50·0	-5·5	55·8	-0·1
a Westminster	27	60	7th	33	7th	54·6	40·7	47·4	- 4·6	6	1·09	28	+ 15	Westminster	2·8	+ 0·3	26	1	28	•	•	•	•
ag Greenwich	155	60	7th	32	7th	54·3	40·3	47·1	- 4·5	6	1·16	29	+ 16	Greenwich	3·1	- 0·4	28	3	25	•	•	•	•
a Hampstead	450	57	7th	32	7th	52·5	37·9	45·0	—	5	1·15	29	—	Hampstead	3·0	—	28	2	24	•	•	•	•
ag Camden Square	110	60	7th	33	7th	54·1	39·9	46·8	- 4·7	5	1·15	29	+ 14	Camden Square	3·0	+ 0·5	28	0	32	•	•	•	•
7. a, ENGLAND, N.W.																							
£ Aspatria (Mealsgate)	487	49	7, 8	32	7, 11	47·4	36·7	41·9	- 6·5	7	1·99	51	+ 27	Aspatria	1·7	- 1·7	16	2	29	46·7	•	51·9	•
p Newton Rigg	559	50	9, 13	30	7th	48·7	35·1	41·7	- 5·8	7	1·07	27	+ 5	Newton Rigg	2·2	- 0·7	20	6	26	46·9	-5·6	52·1	-0·9
p Stonyhurst	377	52	7th	30	11th	49·3	37·0	43·0	- 5·6	5	2·97	75	+ 49	Stonyhurst	2·4	- 0·4	22	2	27	•	•	•	•
p Blackpool	60	57	7th	38	13th	52·3	40·6	46·3	- 3·7	5	2·26	57	+ 36	Blackpool	3·4	0·0	31	2	29	51·5	•	55·1	•
a Southport	37	54	8th	36	13th	50·6	39·9	45·1	- 4·9	6	2·40	61	+ 41	Southport	2·9	- 0·3	27	2	26	47·6	-5·5	54·4	-1·0
														Hoylake	2·9	- 0·2	27	◦	•	◦	◦	◦	◦
a Liverpool (Bidston)	188	55	8th	38	13th	50·1	41·1	45·5	- 4·8	7	2·36	60	+ 41	Liverpool	2·9	—	27	0	35	•	•	•	•
a Hawarden Bridge	22	56	7th	39	7th	51·9	41·7	46·7	- 4·1	6	1·15	29	+ 12	Manchester (City)	1·1	- 1·2	10	3	26	48·9	-4·4	56·5	+0·9
p Manchester (Whit. Pk.)	125	59	9th	31	11th	51·9	38·1	44·8	- 5·8	7	1·90	48	+ 29	Whitworth Park	1·4	- 0·8	13	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	57	7, 8	38	7th	53·1	43·0	47·9	- 3·9	7	2·00	51	+ 31	Llandudno	2·4	- 1·1	22	•	•	•	•	•	•
a Holyhead	15	56	8th	42	13th	53·0	44·3	48·5	- 3·4	7	2·20	56	+ 33	Holyhead	2·8	—	26	0	33	•	•	•	•
p Bettws-y-Coed	148	56	8th	35	7th	51·1	39·1	44·9	- 4·5	7	2·74	70	—	Bettws-y-Coed.	2·1	—	19	•	•	47·4	-4·2	52·4	-0·5
p Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey	◦	◦	◦	•	•	•	•	•	•

† Earth temperature at 3 ft

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean	Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.				°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	56	7, 8	39	11th	51·7	44·0	47·7	—	7	1·73	44	—	Aberystwyth ..	hr. 2·1	hr. - 1·5	% 19	*	*	*	*	*
a Rhayader	757	56	8th	30	7th	50·1	37·1	43·4	—	6	2·45	62	—	Rhayader ..	3·0	—	23	3	25	*	*	*
a St. Ann's Head ..	149	58	8th	43	7th	52·9	45·7	49·2	- 3·3	7	1·85	47	+ 23	St, Ann's Head	2·9	- 0·5	27	*	*	*	*	*
p Cardiff	202	57	7, 8	36	7th	53·6	39·7	46·4	- 4·0	6	2·20	56	+ 28	Cardiff	3·6	—	33	1	29	51·9	-2·5	56·3	+0·4
b, ENGLAND, S.W.																						
a Bath	66	59	8th	32	7th	54·6	40·1	47·1	- 3·4	6	1·61	41	+ 22	Bath	*	*	*	*	*	53·4	-3·1	58·1	+0·2
a Shaftesbury	722	56	7, 8	35	7, 10–12	53·1	38·3	45·5	- 4·3	5	1·24	32	+ 9	Shaftesbury ..	*	*	*	*	*	51·2	*	56·6	*
a Arlington	813	56	7, 8	35	10th	52·4	40·3	46·2	- 3·8	7	4·24	108	+ 71										
a Newquay	190	58	7, 8	43	10th	54·4	46·1	50·1	—	7	2 37	60	+ 37	Newquay ..	2·3	- 1·5	21	0	38	54·7	*	57·2	*
a Cullompton	202	60	7th	32	11th	54·4	39·0	46·5	- 3·9	7	2·35	60	+ 36	Cullompton ..	1·9	- 1·2	17	0	27	51·5	*	*	*
a Portland Bill	19	63	7th	42	7, 11	56·0	46·4	51·1	- 2·4	7	0·83	21	- 1	Weymouth ..	2·7	—	25	*	*	*	*	*	*
p Plymouth	116	58	7, 8	38	11th	55·1	44·3	49·5	- 2·9	7	1·87	47	+ 24	Plymouth ..	2·2	- 1·5	20	0	33	52·1	-4·0	56·6	*
a Falmouth	167	57	7, 8	41	13th	54·3	44·3	49·2	- 3·5	7	2·99	76	+ 47	Falmouth ..	1·5	- 2·4	14	0	34	56·5	*	59·0	*
9. IRELAND, N.																						
a, West .. { *a* Malin Head	208	53	7th	39	7, 13	49·3	41·3	45·2	- 4·6	7	2·83	72	+ 55	Malin Head ..	3·1	—	28	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	55	8th	40	10, 13	49·4	42·1	45·6	- 5·1	7	2·01	51	+ 22	Markree Castle	2·4	- 0·4	22	2	26	51·1	*	54·4	*
{ *p* Markree Castle ..	122	57	8th	32	11th	51·6	38·1	44·7	- 3·4	7	2·75	70	+ 46										
b, East .. { *p* Armagh	196	54	7, 10	34	11, 13	50·1	37·1	43·4	- 4·9	6	0·89	23	+ 7	Armagh	3·2	+ 0·4	29	2	30	49·6	-3·8	53·5	-1·1
{ *a* Donaghadee	101	54	7th	35	7th	50·1	39·7	44·8	- 4·9	7	0·79	20	+ 3										
10. IRELAND, S.																						
p Dublin, City	47	57	8th	37	11, 13	52·3	39·7	45·8	- 4·8	6	0·52	13	- 3	Dublin City ..	*	*	*	0	33	*	*	*	*
a Birr Castle	175	57	8th	34	11, 12	51·7	38·7	45·0	- 3·4	7	1·22	31	+ 14	Trinity Coll. ..	*	*	*	1	29	51·1	-3·0	54·6	-0·4
a Kilkenny	212	58	8th	33	11th	52·6	39·9	46·1	- 3·1	6	0·82	21	+ 2	Phœnix Park ..	4·5	+ 1·0	41	3	26	*	*	*	*
a Waterford	20	60	8th	37	10, 11	53·7	41·6	47·5	- 3·3	5	0·57	14	- 9	Birr Castle ..	3·0	- 0·3	28	2	27	*	*	*	*
a Seskin, Carrick-on-Suir	541	57	8th	35	10th	51·4	39·4	45·2	—	6	0·94	24	—	Seskin	3·2	—	29	0	30	*	*	*	*
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	57	8th	38	11th	52·0	42·7	47·2	- 3·4	6	1·82	46	+ 24										
a Cahirciveen (Val. Obs.)	30	58	8th	42	10, 11, 13	52·7	45·1	48·8	- 3·4	7	2·60	66	+ 33	Cahirciveen ..	1·5	- 1·9	14	0	37	*	*	*	*
a Killarney	174	54	7, 11	39	10, 11	52·1	43·0	47·4	- 3·5	7	2·58	66	+ 34	Ballinacurra ..	3·1	- 0·2	28	*	*	*	*	*	*
a Roche's Point	32	61	8th	39	10th	54·1	43·4	48·6	- 3·4	7	0·80	20	- 4										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	58	7, 8	43	10, 13	55·0	47·0	50·9	- 3·5	7	1·93	49	+ 28	Scilly	1·8	- 2·4	16	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	60	7, 8	45	10, 11	57·3	47·9	52·5	- 2·1	7	2·60	66	+ 41	St. Heliers ..	2·4	- 2·1	22	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	58	7, 8	45	10, 13	56·1	48·0	51·9	- 2·8	7	1·89	48	+ 22	Guernsey† ..	2·2	- 2·4	30	0	40	54·5	-3·5	53·8	-0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 13th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†							Extreme Velocities.						
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.		Date.	
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	..	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	6, 10, 11	33	43	74	18	0	NW.	16	6 5	—	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	6	64	98	0	—	8	10 12	20	10	13	55
Aberdeen	153	105	52	—	—	—	—	55	104	9	0	N.	10	10 12	19	10	12	45
Edinburgh	485	39	31	—	—	—	—	41	118	9	0	S.	10	11 20	16	9	15	10
6. SCOTLAND, W.																		
Eskdalemuir	825	50	32	—	—	11	1	73	61	33	0	S. by W.	11	11 20	18	9	12	25
Paisley	188	81	52	—	—	—	—	19	103	46	0	SW. by S.	9	11 18	22	9	14	0
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	25	109	34	0	N.	10	10 16	21	10	15	45
South Shields	72	61	12	—	—	—	—	25	124	19	0	WNW.	11	9 12	17	10	4	40
Spurn Head	66	40	‡	—	—	Records unreliable.		—	—	—	—	—	—	— —	—	—	—	—
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	7, 9	6	64	95	3	0	W. by S.	13	9 2	—	—	—	—
Gorleston	52	42	‡	—	—	7 to 9, 12	7	72	87	2	0	S. by E.	17	7 12	23	7	13	0
Shoeburyness	103	90	‡	—	—	7 to 9, 12	14	77	77	0	0	SW. by S.	15	12 3	23	9	3	30
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	8	2	53	91	22	0	W. by S.	12	8 24	24	9	0	30
5. ENGLAND, S.E.																		
Dover	271	40	‡	7, 12	2	7, 8, 12, 13	16	53	50	10	37	—	19	7 12	28	7	12	15
Warlingham	642	33	‡	—	—	—	—	44	118	6	0	—	9	7 12	21	8	22	0
Brighton	261	53	6	—	—	7 to 9, 12	18	74	71	5	0	—	15	7 12	23	7	13	30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	36	104	28	0	W. by S.	10	8 24	21	8	23	35
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	27	90	51	0	W.	10	9 13	17	9	13	25
Fleetwood (Cup Anr.) ..	109	44	—	7 to 9	19	7 to 12	37	64	34	14	0	WNW.	22	8 24	—	—	—	—
Southport	80	62	48	7 to 9	22	7 to 10, 12	42	57	43	4	0	WNW.	26	8 24	33	9	0	10
Holyhead	60	40	‡	7 to 9	12	7 to 13	79	66	11	0	0	WNW.	21	8 22	29	8	19	30
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	7, 8, 12	11	7 to 9, 11 to 13	34	69	50	4	0	SW. by W.	20	8 15	29	8	19	15
Plymouth	185	88	2	—	—	7, 8, 11, 12	13	59	74	22	0	—	13	7 9	24	12	18	10
Lyme Regis	556	61	‡	8	1	7 to 9, 11, 12	27	58	49	16	17	—	18	8 20	26	8	20	0
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	7, 8	4	7 to 12	54	89	21	0	0	WSW.	18	8 19	—	—	—	—
Quiity	100	40	‡	7, 8	7	7 to 13	78	63	3	0	17	—	21	8 16	31	8	16	20
Cahirciveen (Val. Obs.)	98	41	‡	—	—	7 to 11, 13	46	102	14	6	0	N. by W.	16	10 15	24	8	14	20
Weaver Pt.	160	30	‡	—	—	7, 8, 10, 13	22	80	51	15	0	—	16	8 20	25	8	20	30
11. ENGLISH CHANNEL																		
Scilly..	150	22	‡	8	3	7 to 13	96	62	6	1	0	WNW.	18	8 20	29	13	2	5

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIRST WEEK of 1917—October 7th to October 13th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	50	28	80·7	75·2	77·8	− 3·5	11	− 31	23	+ 18	7	+ 2	1·40	36	+ 7	1·7	−0·9	16	993
Eastern.																			
1. SCOTLAND, EAST ...	51	22	80·9	73·9	77·3	− 4·1	12	− 35	31	+ 25	7	+ 3	1·24	31	+ 11	2·6	−0·4	24	992
2. ENGLAND, N.E.	58	28	83·2	75·8	79·4	− 3·3	31	− 24	14	+ 12	7	+ 3	1·33	34	+ 16	3·6	+0·3	33	992
3. ENGLAND, EAST ...	59	28	84·2	76·4	80·2	− 3·2	37	− 28	11	+ 8	6	+ 2	1·35	34	+ 18	3·9	+0·2	36	996
4. MIDLAND COUNTIES ...	59	30	84·2	76·1	80·1	− 2·6	37	− 21	12	+ 7	6	+ 2	1·31	33	+ 14	2·4	−0·7	22	996
5. ENGLAND, S.E.	60	28	85·8	77·4	81·5	− 2·5	46	− 26	6	+ 3	6	+ 2	1·47	37	+ 18	2·9	−0·8	26	997
Western.																			
6. SCOTLAND, WEST ...	55	27	82·4	75·7	78·9	− 3·4	26	− 26	14	+ 11	6	+ 2	1·94	49	+ 22	2·8	−0·1	25	993
7. ENGLAND, N.W.	59	30	83·4	77·2	80·3	− 2·8	52	− 27	7	+ 6	7	+ 3	2·07	53	+ 31	2·4	−0·6	22	995
8. ENGLAND, S.W.	63	30	85·1	78·3	81·6	− 2·2	40	− 28	1	0	7	+ 3	2·16	55	+ 28	2·3	−1·1	21	999
9. IRELAND, NORTH ...	57	32	83·2	77·2	80·1	− 2·4	30	− 22	7	+ 5	7	+ 2	1·75	45	+ 23	2·8	0·0	26	995
10. IRELAND, SOUTH ...	61	33	84·5	78·4	81·4	− 1·9	37	− 24	1	0	6	+ 2	1·37	35	+ 12	3·0	−0·4	28	1000
11. ENGLISH CHANNEL ...	60	43	86·4	81·7	84·0	− 1·6	69	− 20	0	0	7	+ 2	2·14	54	+ 31	2·1	−2·2	19	1003

THE SEASON (Autumn).—Aggregates, &c., for the Period of 6 Weeks, September 2nd to October 13th, 1917.

0. SCOTLAND, NORTH ...	68	28	85·8	80·1	82·8	− 0·5	342	− 27	23	+ 14	36	+ 8	9·78	250	+103	2·6	−0·6	22	1005
Eastern.																			
1. SCOTLAND, EAST ...	70	22	87·1	79·2	83·0	− 0·5	363	− 30	31	+ 19	26	+ 4	3·44	87	− 1	3·9	+0·2	32	1007
2. ENGLAND, N.E.	73	28	89·2	81·4	85·1	+ 0·4	516	+ 47	14	+ 11	18	− 2	2·33	60	− 12	4·7	+0·5	39	1011
3. ENGLAND, EAST ...	75	28	90·1	81·8	85·8	+ 0·3	562	+ 29	11	+ 7	17	− 2	3·63	92	+ 19	5·5	+0·8	45	1014
4. MIDLAND COUNTIES ...	77	30	89·6	81·2	85·3	+ 0·4	524	+ 37	12	+ 2	21	+ 2	3·94	99	+ 23	4·2	+0·2	35	1014
5. ENGLAND, S.E.	75	28	90·4	82·5	86·3	+ 0·2	595	+ 22	6	+ 2	19	0	3·53	89	+ 4	5·2	+0·3	43	1015
Western.																			
6. SCOTLAND WEST ...	75	27	87·4	81·3	84·2	0·0	449	+ 15	14	+ 9	33	+11	6·74	170	+ 33	3·2	−0·6	27	1009
7. ENGLAND, N.W.	73	29	88·5	82·3	85·3	+ 0·3	519	+ 30	7	+ 5	27	+ 5	5·60	144	+ 38	3·7	−0·3	30	1012
8. ENGLAND, S.W.	73	30	89·2	82·7	85·8	+ 0·1	549	+ 8	1	− 1	24	+ 2	5·80	148	+ 33	3·8	−0·7	31	1015
9. IRELAND, NORTH ...	69	32	87·8	81·6	84·6	+ 0·1	464	+ 10	7	+ 5	33	+ 7	5·50	139	+ 29	3·0	−0·5	25	1010
10. IRELAND, SOUTH ...	71	33	88·9	82·5	85·6	+ 0·4	529	+ 20	1	− 1	29	+ 6	3·97	102	− 6	3·2	−0·9	27	1014
11. ENGLISH CHANNEL ...	77	43	90·2	84·7	87·3	− 0·1	663	− 6	0	0	26	+ 4	4·13	104	+ 4	5·1	−0·4	42	1017

THE YEAR 1917.—Aggregates, &c., for the Period of 41 Weeks, December 31st, 1916, to October 13th, 1917.

0. SCOTLAND, NORTH ...	81	10	84·0	78·0	80·9	− 0·3	1890	− 21	707	+159	188	− 1	34·00	864	− 75	3·6	+0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·6	77·0	80·7	− 0·7	1998	−133	915	+286	150	−10	22·39	572	− 17	4·0	−0·2	31	1013
2. ENGLAND, N.E.	87	5	85·6	78·4	81·9	− 0·4	2515	+ 69	795	+320	144	0	19·76	503	+ 29	4·3	−0·3	33	1014
3. ENGLAND, EAST ...	93	5	86·5	78·9	82·5	− 0·5	2868	+ 61	797	+299	136	− 3	20·73	529	+ 77	4·9	−0·1	37	1014
4. MIDLAND COUNTIES ...	89	4	86·5	78·3	82·2	− 0·6	2745	+ 22	843	+311	138	0	23·10	588	+ 83	4·1	−0·3	31	1014
5. ENGLAND, S.E.	90	4	86·7	79·4	82·9	− 0·7	2923	− 61	699	+316	130	− 5	24·04	611	+117	4·9	−0·3	38	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	85·2	78·4	81·7	− 0·5	2310	− 27	677	+256	159	− 8	30·03	763	−104	4·1	−0·2	31	1014
7. ENGLAND, N.W.	82	5	85·6	78·9	82·1	− 0·6	2562	+ 11	710	+326	145	− 7	26·98	689	+ 33	4·4	−0·1	33	1014
8. ENGLAND, S.W.	86	4	86·0	79·4	82·5	− 0·9	2693	−118	620	+317	145	− 6	29·31	746	+ 45	4·8	−0·1	37	1015
9. IRELAND, NORTH ...	76	7	85·3	78·9	82·0	− 0·6	2342	− 84	543	+201	180	− 6	28·62	730	+ 9	3·8	−0·2	29	1015
10. IRELAND, SOUTH ...	77	9	86·4	79·6	82·8	− 0·6	2727	− 62	502	+240	170	+ 7	28·73	732	− 13	4·2	−0·3	32	1015
11. ENGLISH CHANNEL ...	83	22	86·7	81·2	83·8	− 0·8	3072	−187	347	+242	146	− 9	24·17	614	+ 43	5·6	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	m.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: October 18th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 165

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* No. 42.

THE FORTY-SECOND WEEK OF 1917.
SUNDAY, OCTOBER 14TH, TO SATURDAY, OCTOBER 20TH.

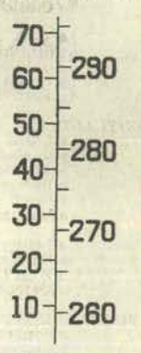
Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

At the commencement of the week strong northerly winds prevailed over the British Isles in the rear of a disturbance centred over the North Sea. On the morning of the 15th, when the winds had diminished in strength, the lowest readings of the thermometer occurred—namely, 269 a. at West Linton (Pentland Hills) and Buxton, and 270 a. at Ford (Argyllshire) and Raunds (Northants). During that day a new depression approached Scotland from the west and the weather became mild and unsettled. The system moved slowly, and the centre did not reach the North Sea until the 18th. The wind then shifted towards the North, and anticyclonic conditions intervened. At the close of the week strong South winds were blowing in the western districts. The highest temperature was 289 a. at Raunds and Bath on the 17th. The mean was again below the average by about 2 a. generally, but by rather more than this in the south. The sea continued cold—from 1 a. to 2 a. below the normal. The rainfall was fully 50 per cent. in excess of the average in the north and west of Scotland and north of Ireland. Over England there was a marked deficiency except in the extreme south and south-east, the week's total in the north-east being only 2mm. or 3mm. Sunshine records were fairly good on the whole; although there was a deficiency of 25 per cent. in the north of Ireland, the excess amounted to about 50 per cent. in England North-East and South-East and in Scotland East.

Lightning was reported on the evening of the 18th at Tunbridge Wells. On the 14th flashes, which may have been due to a storm that was taking place at Jersey, were seen at Brighton.

Hoar frost was of common occurrence, especially on the 14th, 15th, and 18th. Solar halos were seen at Aberdeen on the 16th and at Oxford on the 17th and 20th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 27.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	6·1	18	3·7	18	2·9	9	4·9	12	5·1	10	5·9	19	4·1	16	5·4
North	11	6·1	4	2·0	6	1·5	5	1·1	14	4·9	15	5·7	3	1·4	11	4·9
West	16	3·1	21	3·7	26	2·5	18	1·6	24	6·4	22	4·1	25	5·8	15	3·5
East	7	1·9	1	0·7	0	—	0	—	1	2·3	2	2·2	2	2·4	12	1·6
Calm	2	—	3	—	1	—	10	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Moderate	Very light	Moderate	Light	Moderate	Heavy	Light	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Scanty	Moderate	Abundant

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 7 weeks from Sept. 2nd, 1917.	Warmth ...	1, 5, 1	1, 5, 1	3, 3, 1	3, 2, 2	3, 3, 1	2, 3, 2	2, 3, 2	3, 2, 2	2, 3, 2	2, 3, 2	3, 2, 2	2, 3, 2
	Rainfall ...	6, 1, 0	1, 4, 2	1, 1, 5	3, 2, 2	3, 1, 3	1, 3, 3	3, 3, 1	2, 2, 3	3, 2, 2	3, 2, 2	2, 3, 2	1, 5, 1
	Sunshine ...	2, 2, 3	3, 3, 1	3, 3, 1	3, 3, 1	3, 1, 3	4, 2, 1	0, 6, 1	2, 3, 2	2, 1, 4	0, 5, 2	0, 4, 3	3, 1, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(13813—19.) Wt. 153—442. 450. 10/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands	*a* Lerwick	54	17, 19	39	14th	50·3	43·3	46·7	+ 0·6	7	1·74	44	+ 24										
	p Deerness	51	17th	39	15th	49·3	41·4	45·2	—	6	1·51	39	+ 20	Deerness	2·3	- 0·1	23	•	•	•	•	•	•
	a Stornoway	52	20th	30	15, 16	49·0	36·1	42·4	- 4·1	5	1·61	41	+ 15	Stornoway	2·3	- 0·4	23	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
b, Mainland	*a* Wick	51	16, 20	35	15, 16	49·9	38·4	44·0	- 2·4	5	1·06	27	+ 12	Fort Augustus	1·7	- 0·4	17	•	•	•	•	•	•
	p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—											
	p Glencarron	500	51	20th	30	15th	47·6	37·7	42·5	- 3·0	6	2·37	60	+ 18										
	p Fort Augustus	68	54	20th	29	15th	49·6	37·7	43·5	- 2·9	6	0·91	23	+ 3										
	p Fort William	171	52	16, 20	30	15th	49·0	38·7	43·7	- 3·6	6	2·44	62	+ 27										
1. SCOTLAND, E.																							
	a Nairn	82	53	20th	30	14th	48·9	35·6	42·5	- 3·2	6	0·72	18	+ 5	Nairn	3·0	—	30	•	•	•	•	•	•
	p Gordon Castle	101	54	16, 19, 20	36	20th	52·0	39·3	45·5	- 1·3	4	0·64	16	- 1	Gordon Castle	2·9	•	29	•	•	•	•	•	•
	a Aberdeen	46	54	16, 17	36	15th	51·3	39·7	45·3	- 1·7	5	0·51	13	- 3	Aberdeen	4·4	+ 1·6	44	1	29	•	•	48·9	- 1·6
	a Balmoral	930	51	19th	27	20th	47·3	32·7	39·8	- 3·4	5	0·69	18	- 2	Balmoral	•	•	•	5	24	•	•	•	•
	p Crieff	432	54	16, 19	30	15th	51·4	34·7	42·8	- 3·7	4	1·11	28	+ 6	Crathes	3·5	+ 0·7	35	1	26	44·8	- 4·7	49·2	- 2·2
	a Dundee	244	54	18th	30	19th	50·7	34·9	42·8	- 3·8	5	0·55	14	- 1	Dundee	4·3	—	43	4	24	43·4	•	•	•
	a Leith	18	54	20th	33	16th	52·0	37·0	44·3	- 3·9	3	0·16	4	- 9	Leith	•	•	•	2	28	•	•	•	•
	a Edinburgh	441	51	15-18	35	14th	50·1	38·4	44·6	- 2·5	4	0·16	4	- 10	Edinburgh	4·6	+ 1·6	46	0	31	•	•	•	•
	a West Linton	789	50	17, 18, 20	25	15th	48·9	32·0	40·2	- 3·8	4	0·36	9	—	West Linton	3·4	—	34	4	19	•	•	•	•
	p Marchmont	498	54	19th	34	14th	51·7	36·6	43·9	- 2·0	2	0·10	3	- 17	Marchmont	4·0	+ 1·5	40	3	27	•	•	•	•
6. a, SCOTLAND, W																							
	a Ford (Argyll)	149	53	16th	26	15th	50·2	34·9	42·3	—	5	2·91	74	—	Ford (Argyll)	•	•	•	4	18	45·5	•	51·1	•
	p Glasgow Observatory	180	52	18, 20	31	15th	50·1	39·1	44·4	- 2·9	4	1·00	25	+ 7	Glasgow	2·6	+ 0·7	26	3	23	•	•	•	•
	p Rothesay	170	51	16, 20	34	15th	49·9	40·4	45·0	- 3·0	4	2·66	68	+ 44	Rothesay	3·0	—	30	3	27	44·1	•	49·5	- 2·0
	a Kilmarnock	90	56	19th	28	14, 15	53·4	36·1	44·5	- 2·2	4	1·52	39	+ 20	Kilmarnock	3·0	—	29	•	•	44·9	•	49·8	•
	a Colmonell	170	55	20th	29	15th	52·4	38·1	45·0	- 3·0	5	1·34	34	+ 10	Colmonell	•	•	•	1	25	•	•	•	•
	p Cally, Gatehouse	120	57	18th	27	15th	52·4	35·4	43·7	- 3·3	5	1·94	49	+ 23	Dumfries	3·4	—	33	3	20	45·2	•	50·8	•
	a Dumfries	160	53	17th	30	15th	50·9	37·1	43·8	- 3·8	5	0·69	18	- 2	Eskdalemuir	4·6	—	45	5	18	•	•	•	•
	a Eskdalemuir	794	51	18th	25	15th	48·6	30·7	39·4	—	5	1·09	28	—										
b, I. OF MAN	*p* Douglas	277	54	16th	35	15th	51·4	42·3	46·7	- 2·3	7	1·15	29	+ 4	Douglas	2·9	- 0·1	28	1	29	•	•	•	•
2. ENGLAND, N.E.																							
a, North	*a* Alnwick Castle	210	54	15, 18	31	20th	52·7	37·0	44·6	- 2·6	3	0·11	3	- 20										
	a Tynemouth	71	53	18th	35	14th	51·3	38·7	44·8	- 3·1	1	0·31	8	- 10	Cockle Park	5·4	+ 2·5	52	3	27	•	•	•	•
	p Durham	336	—	—	30	20th	—	36·1	—	—	0	0·00	0	- 19	Durham	5·2	+ 2·6	50	2	25	•	•	•	•
	p Rounton	249	55	16th	32	14, 19, 20	51·9	35·6	43·5	- 3·3	1	0·02	1	- 16	Rounton	•	•	•	5	24	46·6	•	•	•
	a West Witton	605	54	19th	32	15th	51·9	37·3	44·4	—	2	0·08	2	—	West Witton	•	•	•	4	26	43·9	•	49·3	•
	p Scarborough	100	55	14, 17	36	16th	53·4	40·1	46·6	- 2·4	0	0·00	0	- 19	Scarborough†	3·5	+ 0·5	34	•	•	•	•	52·0	•
	p York	56	55	18th	32	15th	53·1	36·6	41·6	- 3·6	2	0·03	1	- 15	York	4·4	+ 1·9	43	•	•	47·2	- 5·2	52·2	- 1·5
b, South	*a* Spurn Head	26	54	17th	39	15, 16	50·7	41·6	46·0	- 3·9	3	0·16	4	- 11	Spurn Head	3·8	—	37	•	•	•	•	•	•
	a Lincoln	58	54	16, 17	32	15th	52·4	36·3	44·1	- 4·1	3	0·09	2	- 13	Lincoln	•	•	•	•	•	46·0	- 5·7	52·6	- 1·3
	a Fulbeck	180	55	17th	30	15th	53·0	35·0	43·7	- 4·7	5	0·18	5	- 10	Rauceby	4·6	+ 1·4	44	•	•	48·1	- 3·5	53·5	- 0·8
															Skegness	4·5	—	43	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	55	17th	36	15, 16	52·6	40·1	46·2	- 3·7	4	0·29	7	- 8	Cromer	4·5	+ 1·2	43	•	•	•	•	•	•
	p Little Massingham	280	54	17th	31	15th	50·9	36·6	43·5	- 5·0	5	1·06	27	+ 10	Lit. Massingham	4·4	+ 1·4	42	•	•	•	•	•	•
	a Yarmouth	13	55	17th	37	16th	53·0	39·7	46·2	- 3·7	3	0·63	16	- 1	Yarmouth	4·9	—	47	2	29	49·7	- 4·4	54·1	- 2·1
	a Norwich	93	54	17th	32	15th	52·0	37·7	44·6	- 4·5	4	0·77	20	+ 2	Norwich	4·7	—	45	4	26	47·4	•	•	•
	a Geldeston	37	56	20th	32	15th	54·6	36·7	45·4	- 4·1	5	0·54	14	- 2	Geldeston	4·6	+ 1·3	44	•	•	•	•	•	•
	p Cambridge	41	59	17th	27	15th	54·3	34·9	44·3	- 4·6	3	0·82	21	+ 7	Cambridge	4·6	+ 1·4	44	4	25	49·0	- 3·5	54·1	- 1·6
	a Clacton-on-Sea	54	55	20th	36	16th	53·1	39·3	46·0	- 4·4	2	0·28	7	- 4	Clacton	5·1	+ 1·6	49	1	30	49·1	- 6·3	54·4	- 1·8
	a Rothamsted	424	56	17th	31	15th	51·4	36·7	43·8	- 4·4	4	1·17	30	+ 12	Rothamsted	4·9	+ 1·8	47	4	26	47·8	•	•	•
	p Tottenham	61	57	17th	36	15th	53·6	40·6	46·9	- 1·7	3	0·63	16	—	Tottenham	4·0	—	48	0	31	•	•	54·9	- 2·4
4. MIDLAND COUNTIES.																							
a, North	*a* Harrogate	479	52	18, 20	33	14, 15	51·1	37·0	43·8	- 3·0	2	0·07	2	- 17	Harrogate	4·7	+ 1·8	45	2	29	45·3	- 5·2	49·1	- 2·3
	p Sheffield	429	53	15, 16, 17	33	15th	51·6	39·3	45·3	—	4	0·07	2	—	Sheffield	3·8	+ 1·1	37	2	25	47·0	- 4·1	52·1	- 0·8
	p Buxton	987	49	15, 17	25	15th	47·9	35·1	41·3	- 3·5	4	0·37	9	- 19	Buxton	3·8	—	37	3	24	43·3	- 7·7	49·7	- 1·7
b, East	*a* Bawtry	65	53	17, 18, 20	28	15th	51·6	36·6	43·9	- 3·7	2	0·05	1	- 13	Worksop	3·1	+ 0·5	30	7	19	45·7	•	50·5	•
	a Nottingham	82	55	17th	27	15, 16	52·7	38·9	43·0	- 5·1	3	0·13	3	- 11	Nottingham	2·9	+ 0·2	28	6	24	44·4	- 6·9	50·7	- 3·6
	p Birmingham, Edgbsn.	535	53	15, 16	34	15th	51·7	39·0	45·2	- 3·0	3	0·13	3	- 13	Birmingham	2·7	+ 0·5	26	4	22	45·6	- 4·8	50·7	- 1·5
	a Raunds	203	61	17th	26	15th	54·6	34·1	44·1	- 4·3	4	0·42	11	- 3	Raunds	•	•	•	6	15	49·6	•	55·5	•
	p Oxford	208	60	17th	33	15th	53·7	37·9	45·6	- 3·4	3	0·96	24	+ 8	Oxford	4·7	+ 1·5	45	4	25	•	•	•	•
c, West	*a* Cheadle (N. Staffs.)	646	52	15th	29	15th	50·0	35·6	42·6	- 4·3	3	0·42	11	- 7	Cheadle	•	•	•	4	26	•	•	•	•
	p Shrewsbury	191	56	15th	29	15th	53·1	37·3	45·0	- 3·2	4	0·33	9	- 6	Shrewsbury	•	•	•	5	22	•	•	•	•
	a Hereford§	291	—	—	—	—	—	—	—	—	—	—	—	—	Malvern§	4·2	—	40	•	•	47·3	•	52·6	•
	a Clifton	229	55	15th	34	15th	53·6	38·7	45·9	- 4·0	4	0·42	11	- 14	Clifton	4·5	—	43	0	31	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	56	17th	27	15th	53·9	34·9	44·1	- 3·5	6	1·16	29	+ 10	Worthing	4·6	+ 0·8	44	1	30	50·5	- 4·7	55·9	- 1·1
	p Salisbury (Wilton)	180	59	17th	28	15th	56·9	33·9	44·6	- 4·2	4	1·39	35	+ 14	Marlborough	3·7	+ 0·8	36	4	22	48·3	•	53·3	•
	a Wisley, Surrey	150	58	17th	31	15th	53·6	36·6	44·9	- 4·0	4	0·67	17	0	Salisbury	•	•	•	2	27	48·6	•	•	•
	a Tunbridge Wells	354	55	18, 20	31	15th	53·6	36·4	44·8	- 4·9	4	0·98	25	+ 5	Wisley	4·3	+ 1·1	41	6	20	49·1	- 4·2	53·5	- 2·1
	a Margate	53	56	20th	39	15, 20	53·3	43·3	48·2	- 3·3	1	0·16	4	- 12	Tunbridge Wells	5·0	+ 1·5	48	6	24	50·9	- 2·9	55·3	•
															Margate	4·3	+ 1·0	41	0	35	51·0	- 2·2	55·9	+ 0·4
	a Dungeness	21	57	20th	36	14, 16	54·4	39·1	46·5	- 4·9	4	0·37	9	- 10	Dover	4·9	—	47	6	24	•	•	•	•
	p St. Leonards	178	57	20th	37	19th	55·0	41·1	47·8	- 3·7	5	0·72	18	- 2	St. Leonards	5·3	+ 1·6	50	0	33	50·1	•	55·6	•
	p Southampton	64	57	17, 20	31	15th	55·4	38·4	46·7	- 4·5	5	1·78	45	+ 24	Southampton	4·9	+ 1·5	47	5	22	•	•	•	•
	a Ventnor	59	59	20th	39	14th	56·9	44·0	49·8	- 3·2	3	0·64	16	- 5	Ventnor	5·4	+ 1·8	52	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	59	17th	32	15th	53·1	37·8	45·2	- 4·4	4	0·83	21	+ 7	Richmond	4·4	+ 1·5	42	6	23	47·8	- 6·2	53·4	- 1·9
	a Westminster	27	59	17th	34	15th	55·0	38·9	46·7	- 4·2	4	0·90	23	+ 10	Westminster	3·0	+ 0·8	29	3	29	•	•	•	•
	cg Greenwich	155	58	17th	33	15, 24	54·3	38·1	46·0	- 3·3	4	0·44	11	- 3	Greenwich	3·5	+ 0·5	34	3	28	•	•	•	•
	a Hampstead	450	56	17th	34	14, 15	52·7	38·2	45·2	—	4	0·87	22	—	Hampstead	4·4	—	42	6	22	•	•	•	•
	cg Camden Square	110	58	17th	34	15th	54·7	38·0	46·1	- 4·3	4	0·81	21	+ 7	Camden Square	3·0	+ 0·7	29	0	33	•	•	•	•
7. a, ENGLAND, N.W.																							
	f Aspatria (Mealsgate)	487	51	17th	32	14th	49·6	38·3	43·8	- 3·5	5	0·46	12	- 12	Aspatria	3·8	+ 0·7	37	2	30	45·4	•	50·0	•
	p Newton Rigg	550	54	16, 17, 19	29	14, 15, 19	51·0	36·4	43·5	- 2·9	4	0·39	10	- 12	Newton Rigg	4·2	+ 1·6	41	4	23	46·1	- 4·9	50·0	- 2·2
	p Stonyhurst	267	53	20th	30	15th	50·4	38·0	44·0	- 3·5	4	0·51	13	- 13	Stonyhurst	3·0	+ 0·4	29	3	26	•	•	•	•
	p Blackpool	60	55	17th	31	15th	52·9	39·1	45·8	- 3·1	5	0·20	9	- 16	Blackpool	4·0	+ 1·0	38	4	23	49·0	•	53·4	•
	a Southport	37	54	16, 17	31	15th	52·0	38·7	45·2	- 3·7	4	0·39	10	- 10	Southport	3·5	+ 0·6	34	2	25	45·1	- 6·0	51·4	- 2·7
															Hoylake	2·5	- 0·3	24	•	•	•	•	•	•
	a Liverpool (Bidston)	188	54	17th	36	15, 16	51·0	40·7	45·7	- 3·5	4	0·55	14	- 5	Liverpool	3·4	—	38	1	30	•	•	•	•
	a Hawarden Bridge	22	56	20th	33	15th	53·1	41·7	47·2	- 2·5	5	0·34	9	- 8	Manchester (City)	1·7	- 0·4	16	3	25	46·1	- 5·6	51·0	- 0·9
	p Manchester (Whit. Pk.)	126	56	17th	29	15th	53·0	35·9	44·2	- 5·3	3	0·17	4	- 15	Whitworth Park	2·1	+ 0·1	20	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	6	55	16, 17	35	15th	53·0	43·3	48·0	- 2·7	4	0·48	12	- 8	Llandudno	2·9	- 0·3	28	•	•	•	•	•	•
	a Holyhead	10	54	17, 19, 20	42	14, 15	52·7	45·4	48·9	- 1·9	6	0·42	11	- 12	Holyhead	3·8	—	37	0	35	•	•	•	•
	p Bettws-y-Coed	148	54	17th	32	15th	51·1	40·0	45·4	- 2·9	6	1·03	26	—	Bettws-y-Coed	2·9	—	28	•	•	46·1	- 4·3	50·6	- 1·8
	p Aberdovey	22	56	17th	41	14th	54·1	44·3	49·1	—	5	0·07	17	—	Aberdovey	3·4	+ 0·2	33	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	53	17, 20	31	15th	51·4	42·6	46·9	—	5	0·33	8	—	Aberystwyth ..	3·1	- 0·4	30	•	•	•	•	•	•
a Rhayader	757	54	17th	27	15th	50·1	35·0	42·3	—	5	0·57	15	—	Rhayader ..	3·9	—	38	4	18	•	•	•	•
a St. Ann's Head	149	55	20th	41	14th	52·1	44·7	48·3	- 3·3	3	0·43	11	- 12	St. Ann's Head	3·7	+ 0·4	36	•	•	•	•	•	•
p Cardiff	202	58	16th	34	15th	54·1	40·3	47·0	- 2·5	3	0·55	14	- 12	Cardiff	4·8	—	46	4	27	49·4	- 3·6	54·5	- 0·5
b, ENGLAND, S.W.																							
a Bath	66	61	17th	28	15th	55·7	35·3	45·2	- 4·4	3	0·43	11	- 7	Bath	•	•	•	•	•	50·5	- 4·8	56·0	- 1·2
a Shaftesbury	723	55	17th	34	14th	52·7	39·3	45·8	- 3·1	3	0·78	20	- 2	Shaftesbury ..	•	•	•	•	•	49·4	•	54·2	•
a Arlington	613	55	16, 19	34	15th	53·1	39·9	46·3	- 2·8	5	0·73	19	- 17										
a Newquay	190	55	16, 20	43	14, 17, 20	53·0	44·7	48·7	- 3·6	5	0·87	22	0	Newquay ..	4·2	+ 0·5	40	0	34	51·7	•	55·6	•
a Cullompton	202	59	19th	23	15th	55·4	32·7	43·7	- 5·8	5	0·57	14	- 9	Cullompton ..	4·1	+ 1·1	39	5	24	48·6	•	•	•
a Portland Bill	19	56	17th	42	14th	51·4	46·6	50·4	- 2·2	3	1·61	41	+ 20	Weymouth ..	5·1	—	48	•	•	•	•	•	•
p Plymouth	116	57	15th	35	19th	54·1	39·3	46·5	- 5·0	5	0·94	24	+ 2	Plymouth ..	3·5	- 0·1	33	1	30	49·0	- 5·9	54·6	•
a Falmouth	167	56	17th	39	14, 20	54·1	40·6	47·2	- 4·6	5	1·11	28	0	Falmouth ..	4·0	+ 0·2	38	2	28	53·6	•	57·0	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	52	16, 20	39	14th	49·6	42·0	45·7	- 4·0	6	0·72	18	+ 2	Malin Head ..	2·3	—	22	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	53	19th	38	14th	49·7	41·3	45·4	- 5·2	7	2·37	60	+ 34	Markree Castle	1·7	- 1·3	17	2	27	48·2	•	52·6	•
{ *p* Markree Castle ..	122	55	16th	32	15th	51·0	38·1	44·4	- 3·6	7	2·03	52	+ 30										
b, East .. { *p* Armagh	196	54	18, 20	34	15th	50·9	38·7	44·6	- 3·6	5	0·41	10	- 4	Armagh	2·8	- 0·2	27	2	28	47·5	- 4·5	51·5	- 2·3
{ *a* Donaghadee	101	53	16, 20	37	15, 16	50·9	40·3	45·4	- 4·2	6	0·91	23	+ 8										
10. IRELAND, S.																							
p Dublin, City	47	55	20th	37	14, 15	50·9	40·0	45·3	- 4·7	4	0·17	4	- 12	Dublin City ..	•	•	•	0	32	•	•	•	•
a Birr Castle	175	55	20th	34	15th	50·6	37·4	43·8	- 4·0	5	0·64	16	- 1	Trinity Coll. ..	•	•	•	2	28	49·0	- 3·7	52·6	- 1·6
a Kilkenny	212	56	20th	30	19th	51·3	35·9	43·4	- 5·2	5	0·38	10	- 8	Phœnix Park ..	2·9	- 0·3	28	3	27	•	•	•	•
a Waterford	20	55	20th	32	19th	52·7	38·0	45·1	- 5·1	3	0·96	25	+ 2	Birr Castle ..	2·3	- 0·7	22	3	27	•	•	•	•
a Seskin, Carrick-on-Suir	541	56	17th	34	14th	50·6	38·7	44·5	—	5	0·72	18	—	Seskin	2·9	—	28	2	30	•	•	•	•
a Cahir	199	54	20th	35	19th	51·6	40·4	45·8	- 2·7	5	0·57	14	—										
a Foynes	50	55	19, 20	38	15th	52·3	42·1	47·1	- 2·9	7	0·67	17	- 5										
a Cahirciveen (Val. Obs.)	30	56	20th	36	15th	52·7	43·4	47·9	- 3·7	7	2·31	59	+ 26	Cahirciveen ..	2·6	- 0·5	25	0	32	•	•	•	•
a Killarney	174	57	20th	36	15th	53·3	41·7	47·3	- 3·0	7	1·20	30	- 1	Ballinacurra ..	3·5	+ 0·5	34	•	•	•	•	•	•
a Roche's Point	32	55	20th	36	15th	52·7	41·6	47·0	- 4·4	6	1·05	27	+ 3										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	56	17, 19	43	14th	54·4	45·3	49·7	- 3·9	5	0·58	14	- 6	Scilly	3·4	- 0·5	32	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	59	17th	39	15 20	56·7	44·4	50·4	- 3·4	5	1·34	34	+ 9	St. Heliers ..	5·0	+ 0 8	47	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	58	14, 20	41	20th	57·0	45·7	51·2	- 2·7	5	1·20	30	+ 4	Guernsey† ..	5·6	+ 1·3	53	0	34	52·6	- 4·1	56·8	- 1·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 20th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	m/s.	Mid Time. day.	hr.	Highest Gust. Speed. m/s.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.								
0. SCOTLAND, N.																			
Dee rness (Cup Anr.)** ..	188	16	5	—	—	15, 16, 18	10	95	54	9	0	SSE.	13	16	1	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	4	101	50	13	—	6	18	11	15	18	10	30
Aberdeen	153	105	52	—	—	18	4	76	84	4	0	WNW.	11	18	11	18	18	11	10
Edinburgh	485	39	31	—	—	—	—	56	106	6	0	S.	10	15	21	18	15	23	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	17	3	63	66	36	0	WSW.	13	17	18	20	17	16	35
Paisley	188	81	52	—	—	—	—	17	129	22	0	SW. by S.	8	15	21	19	17	12	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	2	126	40	0	S.	6	16	2	13	17	19	30
South Shields	72	61	12	—	—	—	—	3	120	45	0	SSW.	6	16	1	11	16	0	55
Spurn Head	66	40	‡	—	—	Records unreliable.		—	—	—	—					—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	27	134	7	0	SSW.	8	16	15	—	—	—	—
Gorleston	52	42	‡	—	—	16, 17	7	32	125	4	0	—	11	17	12	16	16	9	55
Shoeburyness	103	90	‡	—	—	16, 17	21	27	112	8	0	SW. by S.	14	16	12	20	16	12	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	19	84	65	0	S. by W.	9	16	9	15	16	7	35
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	16, 17	40	27	38	30	33	—	12	16	10	22	16	10	25
Warlingham	642	33	‡	—	—	16	1	38	82	47	0	—	11	16	10	22	16	10	20
Brighton	261	53	9	—	—	16	14	44	87	23	0	—	12	16	21	20	16	17	55
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	22	62	84	0	SSW.	8	16	12	17	16	12	25
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	4	101	63	0	SW. by W.	6	17	15	13	17	14	40
Fleetwood (Cup Anr.) ..	109	44	—	—	—	17, 19	21	63	76	8	0	W. by N.	15	18	9	—	—	—	—
Southport	80	62	48	—	—	17, 18	18	78	66	6	0	W. by N.	12	18	2	17	18	13	20
Holyhead	60	40	‡	—	—	14 to 18, 20	51	93	22	2	0	SSW.	14	15	24	21	15	22	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	20	10	23	86	33	16	S.	16	20	23	19	20	22	55
Plymouth	185	88	2	—	—	16, 20	17	21	57	73	0	—	15	16	5	21	16	4	40
Lyme Regis	556	61	‡	—	—	16	11	24	80	51	2	—	16	16	9	21	16	5	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	14, 15, 17, 18, 20	23	86	57	2	0	W.	14	14	12	—	—	—	—
Quilty	100	40	‡	—	—	14, 15, 17, 18	23	147	16	7	5	—	14	14	15	18	14	16	15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	20	7	102	49	10	0	S. by E.	11	20	4	19	14	5	15
Weaver Pt.	180	30	‡	—	—	15, 20	5	66	81	16	0	—	13	15	20	20	15	18	10
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	14	1	100	44	23	0	NW.	11	14	24	17	16	1	40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends 9 midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SECOND WEEK of 1917—October 14th to October 20th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	29	82·6	76·7	79·6	− 1·4	26	− 13	9	+ 2	6	+ 1	1·69	43	+ 18	2·1	−0·3	21	1006
Eastern.																			
1. SCOTLAND, EAST ...	54	25	83·3	75·2	79·1	− 1·9	32	− 9	17	+ 9	4	0	0·54	14	− 5	4·0	+1·4	39	1008
2. ENGLAND, N.E.	55	30	84·3	76·0	80·1	− 2·0	38	− 10	13	+ 10	2	− 2	0·10	3	− 15	4·6	+1·7	44	1011
3. ENGLAND, EAST ...	59	27	84·6	76·3	80·3	− 2·4	39	− 18	11	+ 7	4	0	0·69	18	+ 3	4·6	+1·4	45	1014
4. MIDLAND COUNTIES ...	61	26	84·4	75·6	79·8	− 2·1	38	− 12	15	+ 9	3	− 1	0·33	8	− 9	3·8	+0·9	36	1014
5. ENGLAND, S.E.	59	27	85·4	76·6	80·9	− 2·5	45	− 19	10	+ 7	4	0	0·87	22	+ 3	4·7	+1·3	45	1015
Western.																			
6. SCOTLAND, WEST ...	57	26	83·7	76·3	79·9	− 1·9	34	− 14	11	+ 6	5	+ 1	1·65	42	+ 17	2·8	+0·3	27	1010
7. ENGLAND, N.W.	56	29	83·9	77·4	80·6	− 1·9	34	− 18	6	+ 4	5	+ 1	0·49	13	− 9	3·3	+0·6	32	1012
8. ENGLAND, S.W.	61	27	85·0	77·1	80·9	− 2·4	41	− 21	7	+ 5	4	0	0·77	20	− 5	3·8	+0·5	36	1015
9. IRELAND, NORTH ...	55	32	83·3	77·2	80·2	− 2·2	30	− 22	7	+ 4	6	+ 2	1·17	30	+ 10	2·3	−0·8	22	1010
10. IRELAND, SOUTH ...	57	30	84·1	77·5	80·7	− 2·3	35	− 25	5	+ 2	5	+ 1	0·88	22	− 1	2·8	−0·4	27	1014
11. ENGLISH CHANNEL ...	59	39	86·3	80·3	83·2	− 2·0	59	− 23	0	0	5	0	1·03	26	+ 3	4·7	+0·6	44	1017

THE SEASON (Autumn).—Aggregates, &c., for the Period of 7 Weeks, September 2nd to October 20th, 1917.

0. SCOTLAND, NORTH ...	68	28	85·3	79·6	82·4	− 0·5	368	− 40	32	+ 16	42	+ 9	11·64	297	+125	2·6	−0·5	22	1005
Eastern.																			
1. SCOTLAND, EAST ...	70	22	86·6	78·7	82·4	− 0·7	395	− 39	48	+ 28	30	+ 4	3·98	101	− 6	3·9	+0·3	33	1007
2. ENGLAND, N.E.	73	28	88·5	80·6	84·4	+ 0·1	554	+ 37	27	+ 21	20	− 4	2·43	63	− 27	4·7	+0·7	40	1011
3. ENGLAND, EAST ...	75	27	89·3	81·0	85·0	− 0·1	601	+ 11	22	+ 14	21	− 2	4·32	110	+ 22	5·4	+0·9	45	1014
4. MIDLAND COUNTIES ...	77	26	88·9	80·4	84·5	+ 0·1	562	+ 25	27	+ 11	24	+ 1	4·27	107	+ 14	4·2	+0·3	35	1014
5. ENGLAND, S.E.	75	27	89·7	81·6	85·5	− 0·2	640	+ 3	16	+ 9	23	0	4·40	111	+ 7	5·2	+0·6	44	1015
Western.																			
6. SCOTLAND, WEST ...	75	26	86·9	80·5	83·6	− 0·2	483	+ 1	25	+ 15	38	+12	8·39	212	+ 50	3·2	−0·4	27	1009
7. ENGLAND, N.W.	73	29	87·9	81·6	84·6	0·0	553	+ 12	13	+ 9	32	+ 6	6·09	157	+ 27	3·6	−0·2	30	1012
8. ENGLAND, S.W.	73	27	88·6	81·9	85·1	− 0·2	590	− 13	8	+ 4	28	+ 2	6·57	168	+ 28	3·8	−0·5	32	1015
9. IRELAND, NORTH ...	69	32	87·2	80·9	83·9	− 0·3	494	− 12	14	+ 9	39	+ 9	6·67	169	+ 39	2·9	−0·6	25	1010
10. IRELAND, SOUTH ...	71	30	88·2	81·8	84·9	0·0	564	− 5	6	+ 1	34	+ 7	4·85	124	− 7	3·2	−0·8	27	1014
11. ENGLISH CHANNEL ...	77	39	89·7	84·0	86·7	− 0·4	722	− 29	0	0	31	+ 4	5·16	130	+ 7	5·0	−0·3	42	1017

THE YEAR 1917.—Aggregates, &c., for the Period of 42 Weeks, December 31st, 1916, to October 20th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·9	78·0	80·8	− 0·4	1916	− 34	716	+161	194	0	35·86	911	− 53	3·6	+0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·6	77·0	80·6	− 0·8	2030	−142	932	+295	154	−10	22·93	586	− 22	4·1	0·0	31	1012
2. ENGLAND, N.E.	87	5	85·6	78·4	81·8	− 0·5	2553	+ 59	808	+330	146	− 2	19·86	506	+ 14	4·3	−0·2	33	1014
3. ENGLAND, EAST ...	93	5	86·5	78·9	82·5	− 0·5	2907	+ 43	808	+306	140	− 3	21·42	547	+ 80	4·9	0·0	37	1014
4. MIDLAND COUNTIES ...	89	4	86·5	78·3	82·2	− 0·5	2783	+ 10	858	+320	141	− 1	23·43	596	+ 74	4·1	−0·3	31	1014
5. ENGLAND, S.E.	90	4	86·7	79·3	82·8	− 0·8	2968	− 80	709	+323	134	− 5	24·91	633	+120	4·9	−0·2	38	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	85·2	78·4	81·7	− 0·5	2344	− 41	688	+262	164	− 7	31·68	805	− 87	4·1	−0·2	31	1013
7. ENGLAND, N.W.	82	5	85·6	78·9	82·1	− 0·6	2596	− 7	716	+330	150	− 6	27·47	702	+ 24	4·4	0·0	32	1014
8. ENGLAND, S.W.	86	4	86·0	79·3	82·5	− 0·9	2734	−139	627	+322	149	− 6	30·08	766	+ 40	4·8	−0·1	37	1015
9. IRELAND, NORTH ...	76	7	85·3	78·9	81·9	− 0·7	2372	−106	550	+205	186	− 4	29·79	760	+ 19	3·7	−0·2	28	1013
10. IRELAND, SOUTH ...	77	9	86·3	79·5	82·8	− 0·6	2762	− 87	507	+242	175	+ 8	29·61	754	− 14	4·2	−0·2	32	1015
11. ENGLISH CHANNEL ...	83	22	86·7	81·2	83·8	− 0·9	3131	−210	347	+242	151	− 9	25·20	640	+ 46	5·6	−0·2	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: October 25th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 169

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THE FORTY-THIRD WEEK OF 1917.

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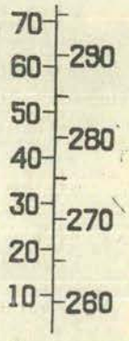
I.—GENERAL SUMMARY. [First published in 1878.]

During this period areas of high pressure prevailed between the Azores and Central Europe, while disturbances of great extent and considerable intensity moved eastward or north-eastward from the northern Atlantic. Unsettled, windy conditions were experienced over the British Isles, culminating in a gale of some severity on practically all our coasts on the 24th and 25th, and causing structural damage in places. At various stations gust velocities from 35 to 40 m/s were registered. The gale was notable also for the very rapid falling and rising of the barometer over a large area. The weather was of an unusually inclement character, thunderstorms occurring in many localities, and the precipitation included a good deal of snow or hail. At Southport on the 27th the hail was exceptionally heavy for the locality and remained unmelted for 14 hours.



Temperature Scales.

At the beginning of the week temperature was moderately high, between 286 a. and 289 a. in many parts of the kingdom, but towards the close the maxima at numerous stations were below 278 a., as low as 275 a. at West Linton on the Pentland Hills. Night frosts, however, though experienced in most districts, were not severe, 270 a. at Balmoral, Crieff, West Linton and Kilkenny being the lowest shade reading. For the week the results were everywhere under the normal, by as much as 2 a. in Scotland East. The coastal sea water was colder than during the preceding week, and everywhere it was colder than usual.

Precipitation was greatly in excess of the normal over Scotland, England North-West, and Ireland North, being 325 per cent. of the normal in Scotland North. In other regions there was a deficiency, England South-East returning 55 per cent. and England East 50 per cent. At individual stations the percentages ranged from 17 at Margate to 518 at Lerwick. The heaviest falls occurred on the 24th, up to 29mm. at Stornoway and 30mm. at Deerness.

The duration of bright sunshine was in excess of the normal, excepting in Scotland North and England North-West. The result for England East, 5¾ hours per day, was double the normal duration.

Solar halos, a parhelion, counterglow and the zodiacal light were observed at Oxford on various days.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	6·7	24	5·0	—	—	19	3·0	13	5·4	2	6·9	25	4·5	10	4·6
North	10	5·9	2	2·6	—	—	3	1·6	10	5·4	22	5·5	1	2·6	16	2·7
West	24	7·9	26	6·9	—	—	26	3·7	27	10·2	26	9·2	26	9·9	25	8·6
East	1	1·9	0	—	—	—	0	—	0	—	0	—	0	—	2	0·3
Calm	0	—	0	—	—	—	2	—	0	—	0	—	0	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very heavy	Heavy	Moderate	Light	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Scanty	Abundant	Abundant	Very abundant	Abundant	Very abundant	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 8 weeks from Sept. 2nd, 1917.	Warmth ...	1, 5, 2	1, 5, 2	3, 4, 1	3, 2, 3	3, 4, 1	2, 3, 3	2, 3, 3	3, 2, 3	2, 3, 3	2, 3, 3	3, 2, 3	2, 3, 3
	Rainfall ...	7, 1, 0	2, 4, 2	1, 2, 5	3, 2, 3	3, 2, 3	1, 4, 3	4, 3, 1	3, 2, 3	3, 3, 2	4, 2, 2	2, 4, 2	1, 6, 1
	Sunshine ...	2, 2, 4	4, 3, 1	4, 3, 1	4, 3, 1	4, 1, 3	5, 2, 1	0, 7, 1	2, 4, 2	3, 1, 4	0, 6, 2	1, 4, 3	4, 1, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(13990—19.) Wt. 153—442. 450. 11/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands	*a* Lerwick	54	52	22nd	33	24, 26	45·4	38·3	41·8	- 2·5	7	4·49	114	+ 92									
	p Deerness	160	54	22nd	32	24, 25, 26	44·9	37·0	40·8	—	7	2·44	62	+ 41	Deerness	0·5	- 2·0	5	•	•	•	•	•	•
	a Stornoway	51	54	22nd	28	27th	44·3	37·0	41·5	- 3·2	7	3·46	88	+ 59	Stornoway	1·6	- 1·3	17	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	53	22nd	35	27th	47·6	40·9	44·2	- 3·2	7	1·10	28	—	Castlebay	1·7	•	18	•	•	•	•	•	•
b, Mainland	*a* Wick	81	56	22nd	30	24-26	46·0	35·0	40·3	- 4·1	7	1·65	42	+ 26	Fort Augustus	2·0	- 0·1	21	•	•	•	•	•	•
	p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
	p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
	p Fort Augustus	68	55	21st	31	27th	46·7	37·6	42·0	- 2·3	7	3·48	88	+ 66										
	p Fort William	171	53	21st	32	26, 27	46·6	36·7	41·5	- 3·7	7	4·83	123	+ 84										
1. SCOTLAND, E.																							
	a Nairn	82	56	22nd	31	24, 26, 27	45·7	35·7	40·6	- 3·0	7	1·61	41	+ 28	Nairn	3·3	—	34	•	•	•	•	•	•
	p Gordon Castle	101	37	22nd	31	24, 27	46·9	35·4	41·0	- 3·7	7	1·39	35	+ 18	Gordon Castle	3·9	+ 1·1	41	•	•	•	•	•	•
	a Aberdeen	46	56	21st	32	25th	48·1	33·6	42·2	- 2·6	6	0·69	18	+ 2	Aberdeen	4·4	+ 1·6	46	4	26	•	•	48·1	-1·5
	a Balmoral	930	56	21st	26	26th	43·7	34·1	38·8	- 2·2	6	1·11	28	+ 8	Balmoral	•	•	•	4	22	•	•	•	•
	p Crieff	432	55	21st	26	27th	46·0	32·3	39·0	- 5·3	7	1·49	38	+ 16	Crathes	4·9	—	51	4	21	43·3	-4·4	48·2	-2·1
	a Dundee	244	57	21st	29	24, 27	46·6	35·6	40·9	- 3·3	4	0·42	11	- 3	Dundee	4·4	—	46	4	24	43·0	•	•	•
	a Leith	18	56	21st	33	27th	47·4	38·1	42·6	- 3·4	7	0·85	22	+ 9	Leith	•	•	•	2	28	•	•	•	•
	a Edinburgh	441	55	21st	32	26, 27	47·3	37·1	42·1	- 2·8	5	0·96	24	+ 10	Edinburgh	3·3	+ 0·3	34	3	28	•	•	•	•
	a West Linton	769	53	21st	26	27th	43·3	35·0	39·0	- 2·4	7	2·15	55	—	West Linton	1·5	—	15	2	24	•	•	•	•
	p Marchmont	498	55	21st	28	27th	46·3	34·0	40·0	- 3·7	5	1·40	36	+ 16	Marchmont	2·3	- 0·2	24	5	23	•	•	•	•
6. a. SCOTLAND, W																							
	a Ford (Argyll)	149	54	21st	31	27th	47·5	37·9	42·6	—	7	3·69	94	—	Ford (Argyll)	•	•	•	2	23	46·2	•	49·6	•
	p Glasgow Observatory	180	54	21st	33	26, 27	47·1	38·1	42·5	- 2·4	7	1·95	50	+ 31	Glasgow	1·5	- 0·4	15	3	23	•	•	•	•
	p Rothesay	170	56	21st	31	27th	49·0	36·7	42·7	- 3·0	7	2·73	69	+ 44	Rothesay	2·0	—	21	3	23	45·4	•	48·9	-1·7
	a Kilmarnock	90	56	21st	29	27th	48·1	38·6	43·2	- 1·0	7	2·37	60	+ 41	Kilmarnock	1·6	—	16	•	•	45·0	•	48·9	•
	a Colmonell	170	55	21st	32	26th	48·7	39·1	43·8	- 1·8	7	2·45	62	+ 37	Colmonell	•	•	•	1	30	•	•	•	•
	p Cally, Gatehouse	120	55	21st	28	27th	48·0	36·6	42·1	- 2·5	7	2·33	59	+ 33	Dumfries	2·1	—	22	4	20	45·3	•	49·7	•
	a Dumfries	160	56	21st	32	27th	49·3	37·7	43·3	- 1·8	7	1·13	29	+ 9	Eskdalemuir	2·0	—	21	3	19	•	•	•	•
	a Eskdalemuir	794	53	21st	27	24, 25, 27	44·3	32·7	38·3	—	7	2·44	62	—										
b. I. OF MAN	*p* Douglas	277	55	21st	35	26, 27	50·1	40·1	45·0	- 1·7	7	1·50	38	+ 13	Douglas	4·0	+ 1·3	40	1	29	•	•	•	•
2. ENGLAND, N.E.																							
a North	*a* Alnwick Castle	210	59	21st	31	27th	49·1	37·3	43·0	- 2·3	5	0·38	10	- 13										
	a Tynemouth	71	55	21st	34	24, 27	47·7	38·1	42·8	- 3·2	5	0·43	11	- 6	Cockle Park	4·5	+ 1·8	46	3	26	41·2	-4·9	46·8	-2·5
	p Durham	336	60	21st	32	27th	50·0	37·0	43·3	- 1·7	4	0·56	14	- 4	Durham	3·7	+ 1·3	38	2	28	•	•	•	•
	p Rounton	249	56	21st	30	27th	50·1	36·9	43·3	- 1·6	7	0·54	14	- 3	Rounton	•	•	•	5	23	45·7	•	•	•
	a West Witton	605	54	21st	30	24th	46·1	37·1	41·5	—	7	1·43	36	—	West Witton	•	•	•	3	25	43·9	•	47·8	•
	p Scarborough	100	53	22, 24	27	23, 27	50·3	40·9	45·5	- 1·6	5	0·96	24	+ 5	Scarborough†	3·7	+ 1·1	37	•	•	•	•	51·3	•
	p York	56	56	21st	34	27th	51·7	38·4	44·9	- 1·3	6	0·52	13	- 3	York	2·6	+ 0·4	26	•	•	46·7	-3·8	50·8	-2·1
b, South	*a* Spurn Head	26	54	21st	36	27th	49·3	40·9	45·0	- 2·8	3	0·24	6	- 8	Spurn Head	•	•	•	•	•	•	•	•	•
	a Lincoln	58	56	21st	32	27th	49·7	38·9	44·1	- 2·0	3	0·26	7	- 8	Lincoln	•	•	•	•	•	45·4	-4·3	50·7	-2·2
	a Fulbeck	180	55	21, 22	31	27th	50·9	38·3	44·4	- 1·8	5	0·44	11	- 4	Rauceby	5·0	+ 2·2	50	•	•	47·5	-2·0	52·1	-1·3
															Skegness	5·1	+ 2·0	51	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	196	55	22nd	34	27th	50·6	39·3	44·8	- 2·9	3	0·35	9	- 7	Cromer	6·0	+ 3·1	61	•	•	•	•	•	•
	p Little Massingham	280	55	21, 22	30	27th	50·3	35·7	42·8	- 3·4	3	0·30	8	- 11	Lit. Massingham	5·1	+ 2·5	51	•	•	•	•	•	•
	a Yarmouth	13	57	22nd	34	25th	52·1	39·0	45·4	- 2·2	3	0·24	6	- 12	Yarmouth	5·7	—	58	0	31	48·9	-2·2	52·7	-2·4
	a Norwich	93	56	21, 22	33	27th	50·9	39·4	45·0	- 1·7	3	0·32	8	- 11	Norwich	6·1	—	62	2	28	46·0	•	•	•
	a Geldeston	37	58	21, 22	31	27th	53·0	38·6	45·6	- 1·7	3	0·18	5	- 12	Geldeston	5·9	+ 3·0	60	•	•	•	•	•	•
	p Cambridge	41	58	21st	31	27th	53·1	38·6	45·6	- 1·0	2	0·21	5	- 9	Cambridge	5·8	+ 2·9	58	2	27	47·9	-2·8	52·7	-1·9
	a Clacton-on-Sea	54	58	22nd	36	24, 25	51·9	40·3	45·9	- 2·1	2	0·35	9	- 3	Clacton	5·3	+ 2·2	53	0	32	48·5	-5·0	53·3	-2·0
	a Rothamsted	424	55	21st	29	27th	50·7	38·1	44·2	- 1·8	4	0·44	11	- 8	Rothamsted	6·1	+ 3·3	61	2	21	47·2	•	•	•
	p Tottenham	51	58	21st	35	27th	52·9	40·6	46·8	- 1·1	2	0·37	9	—	Tottenham	5·4	—	54	0	32	•	•	53·6	-2·7
4. MIDLAND COUNTIES.																							
a North	*a* Harrogate	479	55	21st	32	24, 27	47·9	37·0	42·3	- 2·3	7	1·30	33	+ 14	Harrogate	2·7	+ 0·2	27	2	27	45·1	-3·8	48·1	-2·2
	p Sheffield	429	54	21, 22	33	27th	50·9	38·7	44·6	—	8	1·07	27	—	Sheffield	3·1	+ 0·8	31	1	28	46·2	-3·0	50·6	-1·5
	p Buxton	987	52	21, 22	29	27th	46·7	36·4	41·4	- 2·3	7	1·92	49	+ 20	Buxton	2·5	—	25	2	29	43·0	-5·6	48·6	-2·8
b, East	*a* Bawtry	65	56	21, 22	31	27th	50·1	38·3	44·0	- 1·5	6	0·39	10	- 4	Worksop	3·1	+ 0·9	31	4	20	45·7	•	49·3	•
	a Nottingham	82	56	21st	33	27th	51·3	37·3	44·1	- 1·8	6	0·64	16	+ 2	Nottingham	3·3	+ 1·1	33	2	28	44·6	-4·2	49·5	-3·6
	p Birmingham, Edgbsn.	535	55	21st	34	24, 27	51·9	36·9	43·7	- 2·3	5	0·52	13	- 3	Birmingham	3·7	+ 1·8	37	3	23	45·4	-3·1	50·0	-1·6
	a Raunds	203	58	21st	30	27th	52·7	37·4	44·8	- 1·3	4	0·34	9	- 6	Raunds	•	•	•	4	19	48·2	•	54·2	•
	p Oxford	208	56	22nd	34	24, 27	52·4	38·9	45·5	- 1·3	4	0·50	13	- 3	Oxford	5·4	+ 2·7	54	2	24	•	•	•	•
c, West	*a* Cheadle (N. Staffs.)	646	54	21st	31	27th	48·4	35·9	42·0	- 2·7	6	0·99	25	+ 6	Cheadle	•	•	•	4	26	•	•	•	•
	p Shrewsbury	191	60	21st	33	24, 27	53·3	38·1	45·5	- 0·6	6	0·57	15	0	Shrewsbury	•	•	•	2	29	•	•	•	•
	a Hereford§	291	59	22nd	33	24th	54·0	37·3	45·4	- 0·6	3	0·31	8	- 9	Malvern§	4·7	—	47	1	28	47·0	•	51·5	•
	a Clifton	229	57	21st	33	27th	51·9	41·6	46·6	- 1·1	5	0·88	22	- 4	Clifton	4·5	—	45	1	30	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	56	22nd	32	24, 25, 27	51·9	37·4	44·4	- 1·1	6	0·75	19	- 3	Worthing	6·1	+ 2·6	61	2	29	49·8	-3·2	54·5	-1·6
	p Salisbury (Wilton)	180	57	22nd	28	27th	53·4	36·5	44·7	- 2·0	6	0·52	13	- 12	Marlborough	3·4	+ 0·8	34	2	25	48·2	•	52·4	•
	a Wisley, Surrey	150	57	21, 22	34	24, 27	52·4	40·9	46·5	- 0·3	2	0·22	6	- 13	Salisbury	•	•	•	1	26	47·9	•	•	•
	a Tunbridge Wells	354	57	21, 22	33	27th	53·1	40·7	46·7	- 0·8	4	0·44	11	- 13	Wisley	5·4	+ 2·5	54	4	23	48·2	-2·5	52·2	-2·3
	a Margate	53	59	22nd	36	27th	53·3	43·3	48·2	- 1·1	2	0·12	3	- 15	Tunbridge Wells	5·3	+ 2·1	53	2	26	50·2	-1·1	54·0	•
															Margate	4·9	+ 1·9	49	0	31	49·5	-1·0	54·4	0·0
	a Dungeness	21	59	22nd	35	24, 25	55·6	42·3	48·8	- 0·5	5	0·46	12	- 9	Dover	6·0	—	60	4	26	•	•	•	•
	p St. Leonards	178	60	22nd	36	24, 27	54·3	41·6	47·8	- 1·6	5	0·66	17	- 6	St. Leonards	5·9	+ 2·5	59	1	30	49·3	•	54·1	•
	p Southampton	64	58	22nd	34	27th	54·1	40·7	47·2	- 1·9	3	0·29	7	- 17	Southampton	4·5	+ 1·4	45	3	23	•	•	•	•
	a Ventnor	59	59	22nd	39	24th	54·9	44·6	49·6	- 1·4	4	0·72	18	- 6	Ventnor	5·5	+ 2·1	55	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	57	22nd	34	27th	52·5	39·2	45·7	- 1·8	5	0·41	10	- 6	Richmond	5·7	+ 3·1	57	3	25	47·3	-3·8	52·2	-2·2
	a Westminster	27	59	21, 22	35	24th	54·8	41·8	48·1	- 0·7	2	0·24	6	- 9	Westminster	5·3	+ 3·4	53	2	30	•	•	•	•
	ag Greenwich	155	60	22nd	35	24, 27	53·9	40·9	47·2	- 0·4	2	0·19	5	- 9	Greenwich	5·6	+ 3·0	56	3	28	•	•	•	•
	a Hampstead	450	56	21, 22	32	24, 27	51·5	38·7	44·9	—	4	0·34	9	—	Hampstead	5·2	—	52	2	24	•	•	•	•
	ag Camden Square	110	59	21, 22	34	24, 27	54·4	40·7	47·4	- 0·8	3	0·28	7	- 9	Camden Square	4·9	+ 2·9	49	0	32	•	•	•	•
7. a, ENGLAND, N.W.																							
	f Aspatria (Mealsgate)	487	53	21st	32	27th	47·9	37·4	42·5	- 2·5	7	1·85	47	+ 23	Aspatria	1·4	- 1·6	14	2	26	45·3	•	49·1	•
	p Newton Rigg	559	58	21st	29	27th	49·7	36·4	42·9	- 1·0	7	2·52	64	+ 43	Newton Rigg	1·8	- 0·7	19	4	23	45·7	-3·4	49·0	-2·1
	p Stonyhurst	377	54	21st	31	27th	48·1	38·1	43·0	- 2·2	7	2·65	67	+ 40	Stonyhurst	2·0	- 0·4	20	2	26	•	•	•	•
	p Blackpool	66	55	21st	35	27th	50·4	42·1	46·1	- 0·5	7	1·63	41	+ 19	Blackpool	2·6	- 0·3	26	1	25	48·8	•	52·3	•
	a Southport	37	56	21st	34	27th	50·7	41·7	46·1	- 0·5	7	1·75	44	+ 24	Southport	2·5	- 0·3	25	1	27	45·4	-3·2	50·3	-2·3
															Hoylake	2·9	+ 0·1	29	•	•	•	•	•	•
	a Liverpool (Bidston)	188	58	21st	37	27th	50·7	41·0	45·7	- 1·3	7	1·02	26	+ 8	Liverpool	3·0	—	30	0	31	•	•	•	•
	a Hawarden Bridge	22	60	21st	37	27th	51·4	41·0	46·1	- 1·3	6	0·80	20	+ 4	Manchester (City)	1·9	+ 0·2	19	1	30	46·1	-3·6	52·3	-1·7
	p Manchester (Whit. Pk.)	126	57	21st	32	27th	52·1	39·1	45·4	- 1·6	6	1·10	28	+ 9	Whitworth Park	1·5	- 0·2	15	•	•	•	•	•	•
b. NORTH WALES.																							
	p Llandudno	16	60	21st	36	27th	53·4	42·9	48·0	- 0·5	7	0·58	15	- 5	Llandudno	2·7	- 0·4	27	•	•	•	•	•	•
	a Holyhead	15	57	21st	40	27th	51·1	44·6	47·8	- 0·9	6	0·80	20	- 4	Holyhead	4·0	—	40	0	37	•	•	•	•
	p Bettws-y-Coed	148	57	21st	33	27th	51·1	38·6	44·7	- 1·4	7	1·93	49	—	Bettws-y-Coed	1·7	—	17	•	•	46·3	-2·1	50·0	-1·7
	p Aberdovey	22	56	21st	37	27th	51·6	45·0	48·2	—	7	1·27	23	—	Aberdovey	2·3	- 0·9	23	•	•	•	•	•	•

† Earth temperature at 3 ft

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	56	21st	36	27th	50·3	43·6	46·9	—	7	1·15	29	—	Aberystwyth ..	2·8	- 0·3	28	*	*	*	*	*	*
a Rhayader	767	54	21st	33	27th	48·0	39·1	43·4	—	7	2·31	59	—	Rhayader ..	3·4	—	34	0	31	*	*	*	*
a St. Ann's Head ..	149	55	21st	42	24, 27	51·0	46·6	48·7	- 1·1	6	0·55	14	- 11	St. Ann's Head	3·7	+ 0·8	37	*	*	*	*	*	*
p Cardiff	202	56	21st	34	27th	52·0	40·1	45·9	- 1·4	7	1·30	33	+ 5	Cardiff	4·2	+ 1·3	42	2	24	48·3	-1·8	53·1	-0·8
b. ENGLAND, S.W.																							
a Bath	66	58	21st	32	27th	53·1	40·6	46·7	- 0·8	4	0·80	20	+ 1	Bath	*	*	*	*	*	50·0	-3·1	54·4	-1·9
a Shaftesbury	722	55	22nd	33	27th	51·6	39·9	45·6	- 1·2	4	0·43	11	- 12	Shaftesbury ..	*	*	*	*	*	48·6	*	53·1	*
a Arlington	613	55	21st	33	27th	51·0	40·3	45·5	- 1·6	7	2·42	61	+ 23										
a Newquay	190	58	21st	43	27th	53·0	46·4	49·6	- 0·8	7	0·59	15	- 9	Newquay ..	4·1	+ 0·8	41	0	35	51·9	*	54·4	*
a Cullompton	202	59	21st	32	27th	54·7	39·9	47·1	- 0·3	7	0·81	21	- 3	Cullompton ..	3·6	+ 1·0	38	1	26	48·6	*	*	*
a Portland Bill	19	57	21st	45	24th	53·4	48·0	50·6	- 0·1	6	0·24	6	- 15	Weymouth ..	4·3	—	43	*	*	*	*	*	*
p Plymouth	116	58	21, 22	37	27th	54·9	43·7	49·1	- 0·5	7	0·61	16	- 8	Plymouth ..	4·4	+ 1·3	44	0	31	49·4	-3·5	53·7	*
a Falmouth	167	58	21st	37	27th	54·0	43·7	48·7	- 1·3	7	0·91	23	- 7	Falmouth ..	4·4	+ 1·1	44	1	29	53·1	*	55·9	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	53	21st	35	27th	47·4	40·0	43·6	- 3·3	7	2·05	52	+ 34	Malin Head ..	2·1	—	22	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	53	21st	35	26, 27	47·9	39·7	43·7	- 4·1	7	1·82	46	+ 17	Markree Castle	3·2	+ 0·4	32	2	27	48·0	*	51·6	*
{ *p* Markree Castle ..	122	58	21st	30	27th	50·6	37·4	43·8	- 1·4	6	2·39	61	+ 37										
b. East .. { *p* Armagh	196	57	21st	31	27th	48·0	37·9	43·3	- 2·0	5	1·86	47	+ 31	Armagh	3·0	+ 0·1	30	1	29	47·1	-3·1	50·5	-2·4
{ *a* Donaghadee	101	55	21st	33	27th	47·9	39·3	43·5	- 3·3	7	1·26	32	+ 15										
10. IRELAND, S.																							
p Dublin, City	47	57	21st	34	27th	50·7	39·6	45·0	- 2·5	6	0·49	12	- 4	Dublin City ..	*	*	*	1	29	*	*	*	*
a Birr Castle	175	57	21st	29	27th	50·0	39·1	44·4	- 0·9	7	0·76	19	+ 1	Trinity Coll. ..	*	*	*	1	26	48·6	-2·2	51·5	-1·7
a Kilkenny	212	57	21st	26	27th	50·1	36·4	43·1	- 2·9	6	0·56	14	- 5	Phœnix Park ..	4·5	+ 1·3	45	2	25	*	*	*	*
a Waterford	20	57	24th	33	27th	51·3	41·0	46·0	- 1·6	5	0·25	6	- 18	Birr Castle ..	4·0	+ 1·0	40	3	22	*	*	*	*
a Seskin, Carrick-on-Suir	541	56	21st	31	27th	50·3	37·1	43·5	—	6	0·46	12	—	Seskin	4·9	—	49	2	26	*	*	*	*
a Cahir	198	57	21, 24	28	27th	50·1	38·9	44·3	- 1·7	6	0·91	23	—										
a Foynes	50	56	21st	35	27th	51·3	41·6	46·3	- 1·1	6	1·15	29	+ 6										
a Cahirciveen (Val. Obs.)	30	56	24, 25	33	27th	52·0	43·4	47·6	- 1·6	6	0·87	17	- 17	Cahirciveen ..	3·8	+ 0·7	38	0	31	*	*	*	*
a Killarney	174	60	21st	33	27th	53·1	41·9	47·3	- 0·5	7	1·52	39	+ 6	Ballinacurra ..	5·7	+ 2·7	57	*	*	*	*	*	*
a Roche's Point	32	58	21st	35	27th	52·0	42·9	47·3	- 1·7	7	0·20	5	- 20										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	56	21st	43	27th	53·0	46·9	49·9	- 2·3	7	0·55	14	- 10	Scilly	4·2	+ 0·9	42	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	58	21, 22	43	27th	55·7	47·0	51·2	- 0·9	7	1·57	40	+ 10	St. Heliers ..	4·5	+ 1·0	45	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	58	21, 22	42	27th	54·7	47·6	51·1	- 1·1	7	1·23	31	0	Guernsey† ..	5·0	+ 1·5	50	0	36	52·1	-2·6	55·8	-1·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 27th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†							Extreme Velocities.						
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	24, 25	10	22 to 26	38	92	28	0	0	NW. by W.	24	25 7	—	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	25	2	26	106	36	8	—	11	25 6	29	25	6	15
Aberdeen	153	105	52	25	5	22, 24 to 27	13	77	73	0	0	WNW.	24	25 6	37	25	5	40
Edinburgh	486	39	31	—	—	21, 22, 24, 25	33	122	13	0	0	S. by W.	17	21 8	25	21	7	25
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	25	5	21 to 26	44	88	25	6	0	WNW.	25	25 3	40	25	2	45
Paisley	188	81	52	—	—	25	5	55	101	7	0	NW by N.	15	25 2	31	25	1	50
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	25	2	49	105	12	0	WNW.	11	25 3	25	25	6	50
South Shields	72	61	12	25	2	25	12	60	91	3	0	W. by N.	18	25 2	27	25	2	0
Spurn Head	66	40	‡	—	Instrument under adjustment.			—	—	—	—	—	—	— —	—	—	—	—
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
Gorleston	52	42	‡	—	—	24, 25	19	61	57	6	25	—	14	24 18	23	25	7	25
Shoeburyness	103	90	‡	—	—	24, 25	21	101	45	1	0	SSW.	15	24 18	26	25	11	0
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	24, 25	14	80	61	13	0	WSW.	14	25 1	26	25	1	5
5. ENGLAND, S.E.																		
Dover	271	40	‡	—	—	24, 25	20	81	37	10	20	—	17	24 24	24	25	2	35
Warlingham	642	33	‡	—	—	25	1	32	119	16	0	—	11	25 2	25	25	10	10
Brighton	261	53	6	—	—	24, 25	15	99	53	1	0	—	15	25 1	24	25	1	35
Richmond (Kew Obs.)..	82	65	22	—	—	25	1	35	113	16	3	W. by N.	11	25 11	22	25	2	50
7. ENGLAND, N.W.																		
Carnforth	246	56	23	24, 25	2	24 to 26	17	68	74	7	0	W.	19	25 1	30	25	1	15
Fleetwood (Cup Anr.) ..	109	44	—	23 to 26	29	21 to 26	60	62	15	2	0	W. by N.	29	25 1	—	—	—	—
Southport	80	62	48	23 to 26	48	22 to 26	55	53	12	0	0	W. by N.	28	25 3	39	25	0	25
Holyhead	60	40	‡	23 to 26	17	21 to 27	97	54	0	0	0	W. by S.	26	24 24	37	24	23	0
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	24	5	21 to 25	27	87	49	9	0	W. by S.	21	24 23	30	24	23	15
Plymouth	185	88	2	—	—	21, 24, 25	9	72	66	21	0	—	13	21 1	21	25	4	40
Lyme Regis	556	61	‡	24, 25	3	23 to 25	17	103	34	11	0	—	18	24 24	26	24	23	55
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	24, 25	10	21 to 27	67	81	10	0	0	W. by S.	21	24 22	—	—	—	—
Quilty	100	40	‡	24, 25	12	22 to 26	72	38	19	3	24	—	20	24 22	33	25	2	50
Cahirciveen (Val. Obs.)	98	41	‡	—	—	24, 25	21	109	33	5	0	WSW.	16	24 19	32	24	19	50
Weaver Pt.	160	30	‡	—	—	21, 23 to 25	17	48	101	2	0	—	13	25 2	25	25	2	5
11. ENGLISH CHANNEL.																		
Scilly	150	32	‡	24, 25	9	22 to 26	63	59	37	0	0	W. by N.	22	24 24	31	24	23	45

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-THIRD WEEK of 1917—October 21st to October 27th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	28	80·9	75·7	78·2	− 1·6	12	− 18	20	+ 9	7	+ 2	3·58	91	+ 63	1·4	−1·2	15	991
Eastern.																			
1. SCOTLAND, EAST ...	57	26	80·7	74·8	77·7	− 2·0	11	− 19	25	+ 10	7	+ 3	1·34	34	+ 16	3·8	+1·2	39	995
2. ENGLAND, N.E.	60	30	82·9	76·6	79·7	− 1·3	29	− 8	10	+ 3	5	+ 1	0·48	12	− 6	4·1	+1·5	41	1003
3. ENGLAND, EAST ...	58	29	83·9	76·8	80·3	− 1·1	35	− 9	9	+ 2	3	− 1	0·31	8	− 8	5·7	+2·8	57	1009
4. MIDLAND COUNTIES ...	60	30	83·7	76·3	79·9	− 0·9	34	− 4	11	+ 1	5	+ 1	0·64	16	− 1	3·7	+1·2	37	1009
5. ENGLAND, S.E.	60	28	85·0	77·8	81·3	− 0·9	40	− 11	4	− 1	4	0	0·46	12	− 10	5·3	+2·2	53	1004
Western.																			
6. SCOTLAND, WEST ...	56	28	82·2	76·4	79·2	− 1·3	25	− 11	11	+ 2	7	+ 3	2·27	58	+ 32	2·8	+0·2	28	1000
7. ENGLAND, N.W.	60	29	83·3	77·5	80·3	− 0·9	30	− 10	5	0	7	+ 3	1·49	38	+ 15	2·2	−0·4	22	1006
8. ENGLAND, S.W.	59	32	84·3	78·7	81·4	− 0·8	36	− 14	0	− 4	6	+ 1	1·04	26	− 1	3·8	+0·9	38	1011
9. IRELAND, NORTH ...	58	29	82·3	76·8	79·5	− 1·4	25	− 14	9	+ 1	7	+ 3	1·69	43	+ 21	3·1	+0·2	31	1003
10. IRELAND, SOUTH ...	60	26	83·7	77·7	80·6	− 1·0	32	− 14	4	− 2	6	+ 2	0·72	18	6	4·5	+1·4	45	1011
11. ENGLISH CHANNEL ...	58	42	85·5	81·4	83·3	− 1·0	60	− 12	0	0	7	+ 2	1·12	28	0	4·6	+1·2	45	1015

THE SEASON (Autumn).—Aggregates, &c., for the Period of 8 Weeks, September 2nd to October 27th, 1917.

0. SCOTLAND, NORTH ...	68	28	84·8	79·1	81·9	− 0·7	380	− 58	52	+ 25	49	+11	15·22	388	+188	2·4	−0·6	21	1003
Eastern.																			
1. SCOTLAND, EAST ...	70	22	85·8	78·2	81·8	− 0·9	406	− 58	73	+ 38	37	+ 7	5·32	135	+ 10	3·9	+0·4	34	1006
2. ENGLAND, N.E.	73	28	87·8	80·1	83·8	− 0·1	583	+ 29	37	+ 24	25	− 3	2·91	75	− 33	4·6	+0·7	40	1010
3. ENGLAND, EAST ...	75	27	88·6	80·5	84·4	− 0·3	636	+ 2	31	+ 16	24	− 3	4·63	118	+ 14	5·4	+1·2	46	1013
4. MIDLAND COUNTIES ...	74	26	88·2	79·9	83·9	− 0·1	598	+ 23	39	+ 13	29	+ 2	4·88	123	+ 13	4·1	+0·4	35	1013
5. ENGLAND, S.E.	75	27	89·1	81·2	85·0	− 0·3	680	− 8	20	+ 8	27	0	4·86	123	− 3	5·2	+0·7	45	1013
Western.																			
6. SCOTLAND, WEST ...	75	26	86·3	80·0	83·0	− 0·4	508	− 10	36	+ 17	45	+15	10·66	270	+ 82	3·1	−0·4	27	1008
7. ENGLAND, N.W.	73	29	87·3	81·1	84·1	− 0·1	583	+ 2	18	+ 9	39	+ 9	7·58	195	+ 44	3·4	−0·3	29	1011
8. ENGLAND, S.W.	73	27	88·1	81·5	84·6	− 0·4	626	− 27	8	0	34	+ 3	7·61	194	+ 27	3·8	−0·3	32	1014
9. IRELAND, NORTH ...	69	29	86·6	80·4	83·4	− 0·4	519	− 26	23	+ 10	46	+12	8·36	212	+ 60	2·9	−0·5	25	1009
10. IRELAND, SOUTH ...	71	26	87·6	81·3	84·3	− 0·2	596	− 19	10	− 1	40	+ 9	5·57	142	− 13	3·3	−0·6	29	1013
11. ENGLISH CHANNEL ...	77	39	89·2	83·7	86·3	− 0·4	782	− 41	0	0	38	+ 6	6·28	158	+ 7	5·0	−0·1	43	1017

THE YEAR 1917.—Aggregates, &c., for the Period of 43 Weeks, December 31st, 1916, to October 27th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·9	77·9	80·8	− 0·3	1928	− 52	736	+170	201	+ 2	39·44	1002	+ 10	3·5	0·0	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·5	76·9	80·6	− 0·8	2041	−161	957	+305	161	− 7	24·27	620	− 6	4·0	−0·1	31	1012
2. ENGLAND, N.E.	87	5	85·5	78·3	81·8	− 0·5	2582	+ 51	818	+333	151	− 1	20·34	518	+ 8	4·3	−0·2	33	1013
3. ENGLAND, EAST ...	93	5	86·4	78·8	82·4	− 0·5	2942	+ 34	817	+308	143	− 4	21·73	555	+ 72	4·9	0·0	38	1014
4. MIDLAND COUNTIES ...	89	4	86·4	78·2	82·1	− 0·6	2819	+ 8	870	+322	146	0	24·04	612	+ 73	4·1	−0·2	31	1014
5. ENGLAND, S.E.	90	4	86·6	79·3	82·8	− 0·7	3008	− 91	713	+322	138	− 5	25·37	645	+110	4·9	−0·2	38	1014
Western.																			
6. SCOTLAND, WEST ...	81	11	85·1	78·3	81·6	− 0·6	2369	− 52	699	+264	171	− 4	33·95	863	− 55	4·0	−0·2	31	1013
7. ENGLAND, N.W.	82	5	85·5	78·8	82·0	− 0·7	2626	− 17	721	+330	157	− 3	28·96	740	+ 39	4·3	−0·1	33	1014
8. ENGLAND, S.W.	86	4	85·9	79·3	82·5	− 0·8	2770	−153	627	+318	155	− 5	31·12	792	+ 39	4·7	−0·1	37	1015
9. IRELAND, NORTH ...	76	7	85·2	78·8	81·9	− 0·6	2397	−120	559	+206	193	− 1	31·48	803	+ 40	3·7	−0·2	29	1013
10. IRELAND, SOUTH ...	77	9	86·3	79·5	82·7	− 0·7	2794	−101	511	+240	181	+10	30·33	772	− 20	4·2	−0·2	32	1015
11. ENGLISH CHANNEL ...	83	22	86·7	81·2	83·8	− 0·8	3191	−222	347	+242	158	− 7	26·32	668	+ 46	5·5	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: November 1st, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 44.

THE FORTY-FOURTH WEEK OF 1917.
SUNDAY, OCTOBER 28TH, TO SATURDAY, NOVEMBER 3RD.

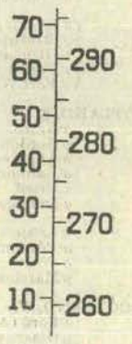
Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

During the first part of the week pressure was high over the Azores and depressions followed a track to the northward of the British Isles. One which lay to the westward of Scotland throughout Monday gave gales from South or South-West over the whole country on that day. During the next few days pressure fell considerably at the Azores and the depressions which approached these Islands from the Atlantic followed a more southerly course to England, but proved to be of no great intensity. Nevertheless, they gave heavy falls of rain at some stations in the south, of which the most noteworthy were 46mm. at Guernsey (St. Martin's Road) and 30mm. at Collumpton, both on the 3rd of November. Over the eastern half of the country the total rainfall for the week was below the normal; less than 50 per cent. fell in Scotland East. In Ireland North, England South-West and the English Channel the falls exceeded the normal, in the latter district by almost 100 per cent.

Bright sunshine was generally scanty in the western half of the country and also in England North-East. Some very good measurements were obtained at stations in the south on Sunday, October 28th, the largest being 9·0 hours at Worthing, 9·2 at Bognor and 9·3 at Torquay.

Mean temperature was below the normal over the whole country, by as much as 3a. in Scotland East, which proved the coldest district (276·6 a.). Screen readings fell to 265 a. on the night of October 28th–29th at Balmoral and West Linton, and to 267·4 a. at Kilkenny and some inland stations in the south-east of England on the previous night. The highest day readings occurred in England South-East, 288·5 a. being touched on several days at one or two stations. Fog was very prevalent both on the coast and inland on the 1st and 2nd of November. Halo phenomena were of unusual frequency throughout the week, and an aurora was observed from Aberdeen on the evening of the 28th October.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	6·4	17	4·3	15	3·8	13	3·2	11	4·2	12	4·2	17	4·3	13	5·1
North	9	4·7	6	2·7	5	1·7	8	1·1	10	3·5	10	4·1	4	3·0	6	3·4
West	15	4·6	12	4·5	18	2·2	14	1·6	16	6·2	22	5·6	12	7·6	8	6·6
East	7	6·2	9	2·4	7	1·1	8	2·2	8	4·3	1	3·7	9	2·8	11	2·5
Calm	4	—	5	—	2	—	5	—	3	—	0	—	5	—	9	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Deficient
	Rainfall ...	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Scanty	Scanty

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 9 weeks from Sept. 2nd, 1917.	Warmth ...	1, 5, 3	1, 5, 3	3, 4, 2	3, 3, 3	3, 5, 1	2, 4, 3	2, 3, 4	3, 3, 3	2, 4, 3	2, 3, 4	3, 3, 3	2, 3, 4
	Rainfall ...	7, 2, 0	2, 4, 3	1, 3, 5	3, 3, 3	3, 3, 3	1, 5, 3	4, 4, 1	3, 3, 3	4, 3, 2	4, 3, 2	2, 5, 2	2, 6, 1
	Sunshine ...	2, 3, 4	4, 4, 1	4, 3, 2	4, 4, 1	4, 2, 3	5, 3, 1	0, 7, 2	2, 4, 3	3, 1, 5	0, 7, 2	1, 4, 4	4, 1, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(14097—19.) Wt. 153—442. 450. 11/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	°/o	°F.	°F.	°F.	°F.	°F.	°F.
a, Islands.. *a* Lerwick	54	48	30th	32	3rd	45·0	36·7	40·7	− 3·6	7	1·19	30	+ 5					•	•	•	•	•	•
p Deerness	160	49	30th	33	29th	45·4	37·7	41·4	—	3	0·55	14	− 10	Deerness ..	1·6	− 0·1	18	•	•	•	•	•	•
a Stornoway	51	49	30, 1, 3	27	29th	46·1	35·1	40·4	− 4·2	7	0·65	17	− 17	Stornoway ..	2·2	+ 0·2	25	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	51	3rd	36	28, 29	48·1	40·9	44·4	− 2·5	5	0·96	24	—	Castlebay ..	1·5	°	17						
b, Mainland. *a* Wick	81	49	30, 1	30	29th	46·3	34·1	40·0	− 4·1	3	0·24	6	− 13	Fort Augustus..	2·4	+ 1·1	27	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	47	30, 1	25	29th	43·4	33·1	38·1	− 5·0	4	0·84	21	− 34										
p Fort Augustus.. ..	68	48	31, 1	26	29th	45·3	33·1	39·0	− 5·0	4	0·75	19	− 7										
p Fort William	171	50	31st	25	29th	45·4	33·4	39·2	− 5·7	4	1·56	40	− 7										
1. SCOTLAND, E.																							
a Nairn	82	50	30th	26	29th	45·1	31·3	38·0	− 5·5	4	0·24	6	− 10	Nairn	3·0	—	33	•	•	•	•	•	•
p Gordon Castle	101	55	1st	28	29th	46·7	34·1	40·2	− 3·9	6	0·24	6	− 14	Gordon Castle..	2·8	—	31	•	•	•	•	•	•
a Aberdeen	46	51	31st	28	29th	47·1	33·0	39·8	− 4·8	3	0·62	16	− 4	Aberdeen ..	2·7	+ 0·5	30	4	23	•	•	46·4	− 2·1
a Balmoral	930	47	30, 1	18	29th	42·1	28·9	35·3	− 5·6	2	0·64	16	− 8	Balmoral ..	•	•	•	5	15	•	•	•	•
p Crieff	432	51	31st	26	29th	46·1	31·0	38·3	− 5·7	3	0·31	8	− 20	Crathes	2·6	+ 0·5	29	6	17	39·5	− 5·9	46·0	− 5·4
a Dundee	244	49	30, 31	25	29th	46·7	30·9	38·6	− 5·4	3	0·13	3	− 14	Dundee	2·2	—	24	7	19	39·9	•	•	•
a Leith	18	52	30th	32	29th	46·7	36·0	41·2	− 4·7	3	0·07	2	− 12	Leith	•	•	•	2	26	•	•	•	•
a Edinburgh	441	50	30th	33	28, 29	44·9	36·9	40·8	− 4·0	4	0·16	4	− 12	Edinburgh ..	1·8	− 0·5	20	2	24	•	•	•	•
a West Linton	769	48	30th	18	29th	44·0	28·9	36·2	− 4·7	3	0·41	10	—	West Linton ..	1·5	—	16	5	17	•	•	•	•
p Marchmont	498	52	30th	30	28, 29	45·1	33·9	39·3	− 4·2	5	0·59	15	− 8	Marchmont ..	1·2	− 0·5	13	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	50	30th	25	29th	47·3	34·0	40·5	—	4	1·61	41	—	Ford (Argyll) ..	•	•	•	5	17	42·3	•	47·8	•
p Glasgow Observatory	180	50	31st	30	29th	45·3	36·6	40·8	− 4·4	4	0·49	12	− 10	Glasgow.. ..	1·2	− 0·3	13	2	22	•	•	•	•
p Rothesay	170	50	31st	33	29th	45·7	36·4	40·9	− 5·1	5	1·01	26	− 4	Rothesay ..	1·5	—	16	3	24	41·4	•	47·1	− 2·3
a Kilmarnock	90	53	31st	29	29th	48·3	36·4	42·2	− 2·2	5	0·79	20	− 3	Kilmarnock ..	1·5	—	16	°	°	42·4	•	47·5	•
a Colmonell	170	52	31st	29	29th	49·3	36·1	42·5	− 3·4	6	1·91	49	+ 19	Colmonell ..	•	•	•	2	24	•	•	•	•
p Cally, Gatehouse ..	120	53	31st	27	29th	48·3	36·4	42·2	− 3·0	6	1·10	28	− 3	Dumfries ..	1·5	—	16	3	18	42·5	•	48·0	•
a Dumfries	180	52	30, 31	29	29th	47·3	36·7	41·8	− 3·0	6	0·80	20	− 3	Eskdalemuir ..	1·2	—	13	3	19	•	•	•	•
a Eskdalemuir	704	48	30, 31	26	29th	44·1	31·6	37·7	—	3	1·15	29	—										
b, I. OF MAN *p* Douglas	277	51	31st	33	29th	47·7	41·0	44·3	− 2·9	6	1·32	34	+ 4	Douglas	1·1	− 1·6	12	2	29	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	53	30th	26	29th	47·7	34·1	40·7	− 4·5	5	0·45	11	− 9										
a Tynemouth	71	50	31st	32	29, 30	46·7	36·9	41·7	− 4·3	3	0·28	7	− 7	Cockle Park ..	1·4	− 1·0	15	3	21	39·1	− 4·8	44·9	− 2·9
p Durham	336	54	30th	27	29th	47·7	35·4	41·4	− 3·4	4	0·53	13	− 2	Durham ..	1·1	− 1·0	12	2	22	•	•	•	•
a North .. *p* Rounton	249	51	31st	27	29th	47·0	36·0	41·3	− 3·4	6	0·66	17	+ 3	Rounton ..	•	•	•	4	22	43·3	•	•	•
a West Witton	605	49	31st	26	29th	45·4	35·7	40·4	—	5	0·96	24	—	West Witton ..	•	•	•	4	21	41·4	•	46·2	•
p Scarborough	100	52	31, 1	34	28, 29	48·9	40·3	44·5	− 2·4	4	0·50	13	− 3	Scarborough† ..	1·6	− 0·5	17	•	•	•	•	50·8	•
p York	56	53	30th	30	29th	48·9	38·7	43·7	− 2·2	4	0·46	12	− 1	York	0·4	− 1·4	4	•	•	44·7	− 4·0	49·4	− 2·5
b, South .. *a* Spurn Head ..	26	51	31st	33	28th	47·9	40·3	44·0	− 3·5	2	0·20	5	− 7	Spurn Head ..	0·5	—	5	•	•	•	•	•	•
a Lincoln	58	53	30th	28	28th	48·6	38·0	43·1	− 2·6	3	0·23	6	− 6	Lincoln	•	•	•	•	•	43·5	− 3·9	49·5	− 2·2
a Fulbeck	180	—	—	—	—	—	—	—	—	—	—	—	—	Rauceby ..	2·5	+ 0·2	27	•	•	45·4	− 1·7	50·6	− 1·7
														Skegness ..	2·9	+ 0·3	31	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	54	31st	30	28th	50·0	39·1	44·4	− 3·3	6	0·30	8	− 7	Cromer	2·7	+ 0·1	29	•	•	•	•	•	•
p Little Massingham ..	280	52	31st	26	28th	48·9	37·1	42·8	− 3·3	5	0·27	7	− 11	Lit. Massingham	2·8	+ 0·4	30	°	°	•	•	•	•
a Yarmouth	13	55	31st	30	28th	51·0	36·3	43·4	− 4·2	4	0·23	6	− 11	Yarmouth ..	2·8	—	30	3	24	46·0	− 1·8	51·4	− 2·0
a Norwich	93	53	2nd	27	28th	49·7	37·1	43·2	− 3·5	4	0·18	5	− 13	Norwich ..	2·6	—	28	4	22	42·6	•	•	•
a Geldeston	37	56	31st	26	28th	52·3	35·1	43·5	− 3·8	5	0·22	6	− 11	Geldeston ..	2·4	− 0·3	26	•	•	•	•	•	•
p Cambridge	41	56	2nd	24	28th	52·0	37·1	44·3	− 2·3	5	0·45	11	− 3	Cambridge ..	2·6	0·0	27	4	21	45·4	− 2·8	50·9	− 2·2
a Clacton-on-Sea ..	54	55	2nd	30	28, 29	49·7	38·0	43·7	− 4·1	5	0·28	7	− 5	Clacton	2·2	− 0·2	23	2	26	45·8	− 5·4	51·6	− 2·3
a Rothamsted	424	55	2nd	27	28th	50·4	38·6	44·3	− 1·8	7	0·68	17	− 1	Rothamsted ..	3·2	+ 0·6	33	3	20	45·2	•	•	•
p Tottenham	51	58	2nd	30	28th	52·1	39·7	45·7	− 0·9	5	0·57	14	—	Tottenham ..	2·2	—	23	2	27	•	•	51·9	− 2·9
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	49	31st	29	28th	46·1	37·1	41·5	− 2·6	6	0·88	22	+ 3	Harrogate ..	1·6	− 0·7	17	2	25	42·8	− 4·2	46·2	− 2·8
p Sheffield	429	52	30, 31	32	28th	48·0	40·0	43·9	—	6	0·69	18	—	Sheffield.. ..	2·3	+ 0·2	24	2	25	43·9	− 3·3	49·3	− 1·8
p Buxton	987	49	2nd	29	28th	45·1	37·0	40·9	− 1·9	7	0·74	19	− 12	Buxton	1·5	—	16	3	25	41·0	− 4·8	47·4	− 3·1
a Bawtry	65	54	30th	28	28, 29	49·3	36·7	42·8	− 2·1	4	0·26	7	− 7	Worksop	2·2	+ 0·2	23	4	18	43·7	•	47·8	•
a Nottingham	82	53	30th	28	28th	49·7	36·1	42·7	− 2·5	6	0·46	12	− 2	Nottingham ..	1·7	− 0·2	18	3	22	43·0	− 3·2	47·0	− 3·9
b, East .. *p* Birmingham, Edgbsn.	535	53	2nd	31	28th	49·1	40·6	44·7	− 0·7	6	0·41	10	− 6	Birmingham ..	2·2	+ 0·6	23	2	20	43·9	− 2·8	49·2	− 1·4
a Raunds	203	55	31, 2	24	28th	52·0	35·9	43·7	− 1·4	4	0·55	14	− 1	Raunds	•	•	•	4	10	45·6	•	52·9	•
p Oxford	208	56	2nd	26	28th	51·7	41·1	46·2	+ 0·1	5	0·52	13	− 3	Oxford	3·1	+ 0·6	32	3	32	•	•	•	•
a Cheadle (N. Staffs.) ..	646	51	30, 1, 2	27	28th	48·0	36·7	42·2	− 2·0	6	0·50	13	− 6	Cheadle	•	•	•	3	23	•	•	•	•
p Shrewsbury	191	55	30, 31	28	29th	50·9	39·4	45·0	− 0·6	6	0·49	13	− 2	Shrewsbury ..	•	•	•	3	24	•	•	•	•
c, West .. *a* Hereford§	291	55	1, 2	23	28th	50·7	36·1	43·2	− 2·3	5	1·00	25	+ 8	Malvern§ ..	2·4	—	25	4	18	45·0	•	49·6	•
a Clifton	229	57	2nd	29	28th	52·6	39·9	46·1	− 1·0	5	0·74	19	− 7	Clifton	2·4	—	25	2	27	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	56	2nd	22	28th	51·9	34·9	43·2	− 2·4	6	0·67	17	− 6	Worthing	2·9	− 0·3	30	3	24	47·4	− 2·7	52·9	− 1·7
p Salisbury (Wilton) ..	180	60	30, 3	22	28th	55·2	38·9	46·8	+ 0·2	6	1·10	28	+ 2	Marlborough ..	2·2	− 0·1	23	3	18	46·0	•	51·2	•
a Wisley, Surrey ..	150	60	2nd	25	28th	53·9	39·4	46·4	− 0·5	4	0·42	11	− 7	Salisbury	•	•	•	2	20	45·1	•	•	•
a Tunbridge Wells ..	354	58	2nd	26	28th	52·3	38·3	45·1	− 2·4	6	0·97	25	0	Wisley	2·6	+ 0·1	27	3	14	46·4	− 1·7	50·6	− 2·0
a Margate	53	56	2nd	35	28, 29	51·4	42·3	46·7	− 2·5	3	0·39	10	− 8	Tunbridge Wells	2·0	− 0·9	21	3	17	47·9	− 0·2	52·3	•
														Margate	2·6	0·0	27	1	30	47·2	− 1·0	52·4	− 0·5
a Dungeness	21	56	2nd	30	28, 29	52·0	39·4	45·5	− 3·7	4	0·84	21	− 1	Dover	•	•	•	•	•	•	•	•	•
p St. Leonards	178	57	2nd	33	29th	52·4	43·6	47·9	− 1·4	6	0·75	19	− 5	St. Leonards ..	2·7	− 0·5	28	2	27	47·0	•	52·5	•
p Southampton	64	58	2nd	25	28th	53·6	41·3	47·3	− 1·7	6	0·74	19	− 6	Southampton ..	2·4	− 0·4	26	3	17	•	•	•	•
a Ventnor	59	56	31, 1–3	36	28th	54·1	45·0	49·4	− 1·6	6	1·24	31	+ 6	Ventnor	2·7	− 0·5	28	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	59	2nd	29	28th	52·3	40·6	46·3	− 1·2	5	0·59	15	− 2	Richmond ..	2·5	+ 0·2	26	3	20	45·1	− 3·0	50·5	− 2·6
a Westminster	27	59	2nd	30	28th	53·9	39·3	46·4	− 2·3	5	0·64	16	0	Westminster ..	1·8	+ 0·2	19	2	25	•	•	•	•
ag Greenwich	155	58	2nd	29	28th	52·6	39·6	45·9	− 0·7	5	0·82	21	+ 7	Greenwich ..	2·1	− 0·1	22	3	21	•	•	•	•
a Hampstead	450	55	2nd	26	28th	50·8	37·7	44·1	—	5	0·86	22	—	Hampstead ..	2·7	—	28	3	19	•	•	•	•
ag Camden Square ..	110	58	2nd	30	28th	53·1	39·7	46·2	− 1·9	5	0·79	20	+ 3	Camden Square	1·6	− 0·1	17	2	29	•	•	•	•
7. *a*, ENGLAND, N.W.																							
c Aspatria (Mealsgate)	487	49	31st	33	28, 29	46·3	38·4	42·2	− 2·9	6	0·91	23	− 2	Aspatria.. ..	0·8	− 1·7	9	2	28	43·2	•	47·6	•
p Newton Rigg	559	51	31st	25	29th	45·7	34·7	40·0	− 3·8	5	1·23	31	+ 9	Newton Rigg ..	0·7	− 1·4	8	4	21	42·6	− 4·5	47·2	− 2·6
p Stonyhurst	377	50	31st	32	28, 29	46·9	38·7	42·7	− 2·8	7	1·09	28	0	Stonyhurst ..	0·6	− 1·4	6	2	26	•	•	•	•
p Blackpool	66	53	30, 31	32	29th	49·3	40·0	44·5	− 2·0	7	1·19	30	+ 8	Blackpool ..	1·3	− 1·1	14	2	21	46·1	•	51·1	•
a Southport	37	54	31st	33	29th	49·7	39·6	44·5	− 2·0	6	0·83	21	+ 1	Southport ..	1·3	− 1·0	14	2	24	43·1	− 3·1	48·4	− 2·4
														Hoylake ..	1·7	− 0·6	18	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	52	30th	35	28th	49·1	40·3	44·6	− 2·4	6	0·75	19	+ 1	Liverpool ..	1·6	—	17	2	30	•	•	•	•
a Hawarden Bridge ..	22	53	30, 31	35	29th	50·2	42·0	46·0	− 1·5	4	0·63	16	0	Manchester (City)	0·4	− 0·8	4	1	28	44·3	− 3·0	50·5	− 2·3
p Manchester (Whit. Pk.)	125	53	30, 31	31	28th	49·6	40·4	44·9	− 1·8	5	0·65	17	− 1	Whitworth Park	0·6	− 0·6	6	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	55	1st	35	29th	51·9	43·4	47·5	− 1·1	6	1·28	32	+ 12	Llandudno ..	1·0	− 1·6	11	•	•	•	•	•	•
a Holyhead ..	10	55	2nd	39	28, 29	52·3	43·7	47·9	− 1·0	4	1·26	32	+ 7	Holyhead ..	1·1	—	12	0	31	•	•	•	•
p Bettws-y-Coed ..	148	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed.	•	•	•	•	•	•	•	•	•
p Aberdovey	22	55	1, 2	35	28th	52·4	43·3	47·7	—	5	0·88	22	—	Aberdovey ..	0·7	− 2·0	7	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F	°F.	°F	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	56	1st	34	28th	51·7	43·3	47·4	—	6	0·65	17	—	Aberystwyth ..	0·9	- 1·7	10	*	*	*	*	*	*
a Rhayader	767	53	2nd	25	28th	48·4	36·4	42·2	—	6	1·25	32	—	Rhayader ..	1·6	—	17	3	19	*	*	*	*
a St. Ann's Head	149	54	1, 2, 3	38	28th	52·0	46·1	49·0	- 0·6	7	1·57	40	+ 13	St, Ann's Head ..	1·5	- 1·0	16	*	*	*	*	*	*
p Cardiff	202	56	2nd	30	28th	51·6	42·3	46·8	+ 0·1	6	1·28	33	+ 4	Cardiff	1·9	—	20	3	22	47·0	-0·8	51·7	-1·0
b, ENGLAND, S.W.																							
a Bath	66	58	2nd	25	28th	53·7	37·3	45·3	- 1·6	6	0·96	24	+ 4	Bath	*	*	*	*	*	47·8	-2·6	52·9	-1·9
a Shaftesbury	722	56	2nd	30	28th	51·7	39·6	45·5	- 0·7	5	0·98	25	+ 1	Shaftesbury ..	*	*	*	*	*	46·9	*	51·5	*
a Arlington	613	55	2nd	31	28th	51·4	40·8	45·9	- 0·9	7	2·35	60	+ 20										
a Newquay	190	56	1st	35	29th	53·0	43·0	47·9	- 2·4	7	1·32	34	+ 9	Newquay ..	2·0	- 0·9	21	2	29	50·1	*	53·4	*
a Cullompton	202	59	2nd	26	29th	54·3	37·9	45·9	- 1·1	5	2·08	53	+ 28	Cullompton ..	2·2	- 0·1	23	3	20	46·7	*	*	*
a Portland Bill	12	56	2, 3	39	28, 29	53·3	45·6	49·3	- 1·1	5	1·43	36	+ 15	Weymouth ..	2·6	—	27	*	*	*	*	*	*
p Plymouth	116	56	2nd	33	29th	53·6	43·9	48·6	- 1·2	7	1·31	33	+ 8	Plymouth ..	2·0	- 0·7	21	2	28	47·3	-3·3	52·3	*
a Falmouth	167	57	1st	35	28, 29	54·1	42·9	48·3	- 1·6	7	1·79	46	+ 13	Falmouth ..	2·1	- 0·8	22	1	27	51·4	*	54·3	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	50	1st	35	29th	47·7	39·7	43·6	- 3·6	6	0·75	19	- 1	Malin Head ..	2·1	—	23	*	*	*	*	*	*
a Blacksod Point ..	327	53	3rd	33	28th	49·0	39·1	43·9	- 4·2	6	2·28	58	+ 26	Markree Castle	1·8	- 0·6	19	4	21	45·0	*	50·3	*
p Markree Castle ..	122	55	3rd	27	1st	50·7	34·4	42·3	- 3·0	5	1·36	35	+ 9										
b, East .. { *p* Armagh	196	52	3rd	30	28th	48·9	36·0	42·3	- 3·1	5	0·87	22	+ 5	Armagh	2·2	- 0·3	24	3	26	43·9	-4·1	48·8	-2·9
a Donaghadee	101	53	31st	32	28, 29	49·0	38·7	43·7	- 3·2	6	1·04	26	+ 7										
10. IRELAND, S.																							
p Dublin, City	47	56	3rd	31	28, 29	51·3	40·3	45·6	- 2·2	6	0·51	13	- 3	Dublin City ..	*	*	*	2	26	*	*	*	*
a Birr Castle	175	55	3rd	28	28th	50·6	38·1	44·2	- 1·2	6	0·65	17	- 1	Trinity Coll. ..	*	*	*	3	19	45·5	-3·2	50·0	-2·0
a Kilkenny	212	54	3rd	22	28th	51·4	36·3	43·6	- 2·5	7	0·93	24	+ 5	Phœnix Park ..	1·6	- 1·2	17	3	17	*	*	*	*
a Waterford	20	58	2nd	28	29th	52·4	37·7	44·8	- 2·8	7	1·37	35	+ 12	Birr Castle ..	1·4	- 1·1	15	3	20	*	*	*	*
a Seskin, Carrick-on-Suir	541	52	30, 2, 3	28	28th	49·9	39·9	44·8	—	7	1·60	41	+ 24	Seskin	1·7	—	18	3	24	*	*	*	*
a Cahir	199	55	3rd	28	28, 29	51·3	38·4	44·7	- 1·5	6	0·82	21	—										
a Foynes	50	53	29, 1-3	33	28th	51·6	41·6	46·5	- 1·1	7	1·04	26	+ 3										
a Cahirciveen (Val. Obs.)	30	56	2nd	35	28th	53·0	43·4	48·1	- 1·5	7	1·26	32	- 1	Cahirciveen ..	1·3	- 1·4	14	0	31	*	*	*	*
a Killarney	174	56	1, 2	30	29th	53·4	40·5	46·8	- 1·3	7	1·14	29	- 4	Ballinacurra ..	2·0	- 0·5	21	*	*	*	*	*	*
a Roche's Point	32	54	2nd	35	28, 29	51·3	42·7	46·9	- 2·3	7	0·96	24	- 1										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	31, 1-3	38	28th	53·4	46·3	49·8	- 1·6	7	1·23	31	+ 11	Scilly	2·0	- 1·1	21	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	59	1, 2	37	28, 29	54·9	45·3	50·0	- 1·4	7	1·98	50	+ 25	St. Heliers ..	1·6	- 1·6	16	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	59	3rd	37	28th	54·9	46·3	50·5	- 0·9	6	2·32	59	+ 33	Guernsey† ..	1·9	- 1·2	20	2	29	50·4	-2·1	54·2	-2·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 3rd, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.		Speed.	Date.		
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	29, 30	5	27 to 31	43	66	42	12	0	SE.	19	29	23	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	5	75	88	0	—	11	29	22	24	29	22	5
Aberdeen	153	105	52	—	—	29	6	36	108	18	0	SE. by S.	15	29	22	25	29	22	15
Edinburgh	485	39	31	—	—	29, 30	8	59	71	30	0	SSE.	14	29	18	22	29	17	45
2. SCOTLAND, W.																			
Eskdalemuir	825	50	32	—	—	28 to 30	6	63	59	40	0	S. by E.	13	29	21	22	29	21	10
Paisley	188	81	52	—	—	29	3	22	88	55	0	S. by W.	14	29	18	28	29	20	5
3. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	29	3	13	89	63	0	S.	13	29	21	23	29	20	40
South Shields	72	61	12	—	—	29	3	14	92	59	0	S. by W.	12	29	19	21	29	19	25
Spurn Head	66	40	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
4. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	30	4	11	149	4	0	S.	11	30	5	—	—	—	—
Gorleston	52	42	‡	30	6	29, 30	7	30	106	19	0	—	19	30	4	26	30	3	30
Shoeburyness	103	90	‡	30	3	29, 30	10	30	117	8	0	S.	20	30	5	25	30	5	20
5. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	29, 30	8	23	70	67	0	S.	15	29	23	22	29	23	10
6. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	29, 30	8	9	113	38	0	—	12	29	24	24	30	6	40
Brighton	261	53	6	—	—	29, 30	13	37	89	16	13	—	15	30	5	24	30	1	55
Richmond (Kew Obs.) ..	82	65	22	—	—	30	1	9	103	55	0	S.	11	30	1	22	30	0	30
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	29	1	33	78	56	0	S.	11	29	21	18	29	21	10
Fleetwood (Cup Anr.) ..	109	44	—	—	—	28, 29	11	54	91	12	0	SE. by E.	16	29	21	—	—	—	—
Southport	80	62	48	—	—	28 to 31	27	68	68	5	0	S. by E.	15	29	21	23	29	22	5
Holyhead	60	40	‡	29	1	28 to 30	41	52	58	16	0	S. by E.	17	29	18	27	29	18	5
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	29	9	29	5	53	74	27	0	SSW.	22	29	18	27	29	20	5
Plymouth	185	88	2	29	8	29, 30	6	31	82	41	0	—	21	29	23	28	29	21	20
Lyme Regis	556	61	‡	29	2	29, 30	9	42	52	63	0	—	18	29	23	25	29	22	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	28 to 30	32	49	59	28	0	W. by S.	17	30	14	—	—	—	—
Quilty	100	40	‡	—	—	29, 30, 2	33	50	61	24	0	—	17	30	1	34	30	1	30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	29, 30	20	53	40	55	0	S. by W.	15	29	11	25	29	12	55
Weaver Pt.	160	30	‡	29	2	29	7	27	58	74	0	—	18	29	12	28	29	11	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FOURTH WEEK of 1917—October 28th to November 3rd, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	50	25	80·4	74·3	77·2	− 2·5	9	− 18	28	+ 17	5	0	0·87	22	− 11	2·1	+0·4	23	1007
Eastern.																			
1. SCOTLAND, EAST ...	55	18	80·4	73·1	76·6	− 3·0	10	− 18	35	+ 21	4	− 1	0·39	10	− 12	2·3	+0·2	25	1008
2. ENGLAND, N.E.	54	26	81·9	76·1	78·9	− 1·9	23	− 13	12	+ 5	4	0	0·41	10	− 5	1·7	−0·5	18	1011
3. ENGLAND, EAST ...	58	24	83·4	76·1	79·6	− 1·7	32	− 10	12	+ 6	5	+ 1	0·35	9	− 7	2·6	0·0	27	1012
4. MIDLAND COUNTIES ...	57	23	83·0	76·3	79·6	− 1·0	29	− 9	11	+ 2	5	+ 1	0·58	15	− 3	2·2	0·0	24	1012
5. ENGLAND, S.E.	60	22	84·6	77·7	81·1	− 1·0	38	− 11	4	+ 1	5	+ 1	0·77	20	− 3	2·5	−0·3	26	1013
Western.																			
6. SCOTLAND, WEST ...	53	25	81·6	75·6	78·5	− 2·2	15	− 19	21	+ 13	5	0	1·13	29	− 3	1·2	−1·0	12	1009
7. ENGLAND, N.W.	55	25	82·5	77·6	79·9	− 1·3	25	− 13	5	0	6	+ 1	0·98	25	+ 1	1·0	−1·2	10	1010
8. ENGLAND, S.W.	59	25	84·3	78·2	81·2	− 0·8	36	− 11	2	− 1	6	+ 1	1·50	38	+ 9	1·8	−0·7	18	1011
9. IRELAND, NORTH ...	55	27	82·6	76·2	79·3	− 1·6	27	− 10	12	+ 7	6	+ 1	1·16	29	+ 5	2·0	−0·4	22	1007
10. IRELAND, SOUTH ...	58	22	84·0	77·4	80·6	− 1·1	35	− 10	6	+ 2	7	+ 2	0·96	25	+ 1	1·6	−1·1	16	1009
11. ENGLISH CHANNEL ...	59	37	85·4	80·8	83·1	− 0·8	57	− 11	0	0	7	+ 2	1·84	47	+ 23	1·8	−1·3	19	1013

THE SEASON (Autumn).—Aggregates, &c., for the Period of 9 Weeks, September 2nd to November 3rd, 1917.

0. SCOTLAND, NORTH ...	68	25	84·3	78·6	81·3	− 0·9	389	− 76	80	+ 42	54	+11	16·50	421	+188	2·4	−0·5	21	1004
Eastern.																			
1. SCOTLAND, EAST ...	70	18	85·2	77·6	81·3	− 1·1	416	− 76	108	+ 59	41	+ 6	5·71	145	− 2	3·7	+0·4	33	1006
2. ENGLAND, N.E.	73	26	87·1	79·7	83·3	− 0·3	606	+ 16	49	+ 29	29	− 3	3·32	85	− 38	4·3	+0·6	38	1010
3. ENGLAND, EAST ...	75	24	88·1	80·0	83·9	− 0·4	668	− 8	43	+ 22	29	− 2	4·98	127	+ 7	5·1	+1·0	45	1013
4. MIDLAND COUNTIES ...	74	23	87·7	79·5	83·4	− 0·2	627	+ 14	50	+ 15	34	+ 3	5·46	138	+ 10	3·9	+0·4	34	1013
5. ENGLAND, S.E.	75	22	88·6	80·8	84·6	− 0·3	718	− 19	24	+ 9	32	+ 1	5·63	143	− 6	4·9	+0·6	43	1013
Western.																			
6. SCOTLAND, WEST ...	75	25	85·8	79·5	82·5	− 0·6	523	− 29	57	+ 30	50	+15	11·79	299	+ 79	2·9	−0·4	25	1008
7. ENGLAND, N.W.	73	25	86·7	80·7	83·6	− 0·3	608	− 11	23	+ 9	45	+10	8·56	220	+ 45	3·2	−0·3	28	1011
8. ENGLAND, S.W.	73	25	87·7	81·1	84·3	− 0·3	662	− 38	10	− 1	40	+ 4	9·11	232	+ 36	3·5	−0·5	31	1014
9. IRELAND, NORTH ...	69	27	86·1	80·0	82·9	− 0·6	546	− 36	35	+ 17	52	+13	9·52	241	+ 65	2·8	−0·5	25	1009
10. IRELAND, SOUTH ...	71	22	87·2	80·8	83·9	− 0·3	631	− 29	16	+ 1	47	+11	6·53	167	− 12	3·1	−0·7	27	1013
11. ENGLISH CHANNEL ...	77	37	88·7	83·4	86·0	− 0·4	839	− 52	0	0	45	+ 8	8·12	205	+ 30	4·6	−0·3	41	1016

THE YEAR 1917.—Aggregates, &c., for the Period of 44 Weeks, December 31st, 1916, to November 3rd, 1917.

0. SCOTLAND, NORTH ...	81	10	83·8	77·8	80·7	− 0·4	1937	− 70	764	+187	206	+ 2	40·72	1035	+ 10	3·5	0·0	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·4	76·9	80·5	− 0·8	2051	−179	992	+326	165	− 8	24·66	630	− 18	4·0	−0·1	31	1012
2. ENGLAND, N.E.	87	5	85·5	78·3	81·7	− 0·6	2605	+ 38	830	+338	155	− 1	20·75	528	+ 3	4·3	−0·1	33	1013
3. ENGLAND, EAST ...	93	5	86·3	78·7	82·4	− 0·5	2974	+ 24	829	+314	148	− 3	22·08	564	+ 65	4·8	0·0	38	1014
4. MIDLAND COUNTIES ...	89	4	86·3	78·2	82·1	− 0·5	2848	− 1	881	+324	151	+ 1	24·62	627	+ 70	4·0	−0·3	31	1014
5. ENGLAND, S.E.	90	4	86·6	79·2	82·7	− 0·8	3046	−102	717	+323	143	− 4	26·14	665	+107	4·9	−0·1	38	1014
Western.																			
6. SCOTLAND, WEST ...	81	11	85·1	78·3	81·5	− 0·6	2384	− 71	720	+277	176	− 4	35·08	892	− 58	4·0	−0·2	31	1013
7. ENGLAND, N.W.	82	5	85·5	78·8	82·0	− 0·7	2651	− 30	726	+330	163	− 2	29·94	765	+ 40	4·2	−0·1	33	1014
8. ENGLAND, S.W.	86	4	85·9	79·3	82·4	− 0·9	2806	−164	629	+317	161	− 4	32·62	830	+ 48	4·7	−0·1	36	1015
9. IRELAND, NORTH ...	76	7	85·1	78·8	81·8	− 0·7	2424	−130	571	+213	199	0	32·64	832	+ 45	3·7	−0·2	28	1013
10. IRELAND, SOUTH ...	77	9	86·2	79·4	82·7	− 0·6	2829	−111	517	+242	188	+12	31·29	797	− 19	4·1	−0·3	32	1015
11. ENGLISH CHANNEL ...	83	22	86·7	81·2	83·8	− 0·8	3248	−233	347	+242	165	− 5	28·16	715	+ 69	5·5	−0·2	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: November 8th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 177

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 45.

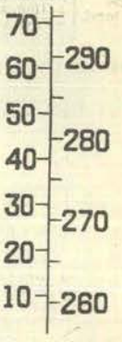
THE FORTY-FIFTH WEEK OF 1917.

SUNDAY, NOVEMBER 4TH, TO SATURDAY, NOVEMBER 10TH.

Price 6d., Post free 1d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

During the week two depressions skirted the British Isles. The first of these was centred near Iceland on the 4th and 5th, when a ridge of high pressure stretched from the Azores as far as the Baltic. On the 6th and 7th this system was in the extreme northern part of the North Sea. A new disturbance appeared to the south of Iceland on the 8th, which, after advancing nearly to the Hebrides, moved south-eastward on the 9th and 10th. The first of the depressions gave some rough weather in the north-west, a gale being reported early in the week at Douglas (Isle of Man), Newton Rigg (Cumberland), Seskin (Carrick-on-Suir), and Durham. In its rear there was a good deal of hail on the 7th in Wales and the north-west of England. The second caused a Northerly gale on our western coasts and in the Channel during the passage of its centre down the North Sea in the night of the 9th.



Temperature Scales.

Temperature differed little from the normal except in the north and east of Scotland and in East Anglia, where it was about 1 a. below the normal. The sea was also rather cold, from ½ a. to 1 a. below the normal, and was colder than during the previous week. Rainfall was excessive in the northern districts, 50 per cent. to 100 per cent. above the average, the excess being greatest in the north of Ireland. At Markree Castle the week's total of 107 mm. was 80 mm. above the normal. In the Channel and south-east of England, on the other hand, there was a marked deficit. The total of sunshine was high in most districts, but normal in Ireland and the English Channel.

The highest temperature (288 a.) was reached on the 4th and 5th at Llandudno and Hawarden Bridge. There were no low readings worthy of note, but snow lay on the hills at times in northern Scotland between the 5th and the 8th.

There was fog at West Witton (Wensleydale) on the 4th and in the London district early in the morning of the 5th. Solar halos were seen at Oxford and Clacton on the 6th and at Greenwich on the 8th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 20.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	6·2	20	4·3	18	2·8	13	3·6	12	6·0	2	2·4	14	5·2	10	5·5
North	11	5·0	5	4·7	6	2·4	6	2·6	10	7·5	16	6·7	6	2·6	15	5·0
West	14	3·2	22	5·1	23	3·3	22	3·5	24	9·8	16	8·1	23	9·4	26	6·8
East	4	3·3	0	—	3	2·4	3	5·2	1	2·6	4	1·3	2	1·2	—	—
Calm	3	—	2	—	2	—	3	—	1	—	0	—	1	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Very heavy	Moderate	Moderate
	Sunshine ...	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 10 weeks from Sept. 2nd, 1917.	Warmth ...	1, 5, 4	1, 5, 4	3, 5, 2	3, 4, 3	3, 6, 1	2, 5, 3	2, 4, 4	3, 4, 3	2, 5, 3	2, 4, 4	3, 4, 3	2, 4, 4
	Rainfall ...	8, 2, 0	3, 4, 3	1, 4, 5	3, 4, 3	3, 4, 3	1, 6, 3	5, 4, 1	4, 3, 3	4, 4, 2	5, 3, 2	2, 6, 2	2, 7, 1
	Sunshine ...	2, 4, 4	5, 4, 1	5, 3, 2	4, 5, 1	5, 2, 3	6, 3, 1	0, 8, 2	3, 4, 3	3, 2, 5	0, 8, 2	1, 5, 4	4, 2, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(14254—19.) Wt. 153—442. 450. 11/17. D & S. G. 17/ 36.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.					Grass-Min.		Earth 1 ft.		Earth 4 ft	
																		Ground Frosts	Lowest Reading.	Mean	Deviation from Average	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F	°F		in	mm	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands.. a Lerwick	54	50	4th	35	4th	46·0	40·0	43·0	- 0·9	7	2·80	71	+ 46										
p Deerness	160	49	4th	37	4th	45·4	39·9	42·7	—	7	1·38	35	+ 11	Deerness	1·9	+ 0·5	23	•	•	•	•	•	•
a Stornoway	51	51	4th	34	4,7	46·7	37·4	42·1	- 2·0	7	1·59	40	+ 6	Stornoway	1·3	- 0·4	16	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
b. Mainland. a Wick	81	50	4th	33	4th	45·9	36·0	41·0	- 2·4	7	0·80	20	+ 1	Fort Augustus..	0·7	- 0·4	8	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort Augustus..	68	52	5th	34	7th	46·0	37·4	41·7	- 1·6	7	1·68	43	+ 16										
p Fort William	171	51	4th	34	7th	46·3	37·7	42·0	- 2·2	6	2·92	74	+ 27										
1. SCOTLAND, E.																							
a Nairn	82	51	4th	29	4th	45·0	34·6	39·8	- 3·0	7	0·94	24	+ 9	Nairn	1·5	—	18	•	•	•	•	•	•
p Gordon Castle	101	53	4,5	31	9th	48·1	37·1	42·6	- 1·2	7	1·87	47	+ 28	Gordon Castle..	1·9	—	23	•	•	•	•	•	•
a Aberdeen	46	52	4th	34	10th	46·7	38·7	41·7	- 2·1	6	1·85	47	+ 28	Aberdeen	3·0	+ 0·9	36	1	29	•	•	45·2	-2·1
a Balmoral	930	48	4,5	29	10th	41·7	32·7	37·2	- 2·9	5	1·32	34	+ 11	Balmoral	•	•	•	5	25	•	•	•	•
p Crieff	432	50	4,5	31	7,9	46·6	34·6	40·6	- 2·5	5	1·69	43	+ 16	Crathes	2·9	+ 0·8	34	3	23	40·7	-2·8	44·7	-3·3
a Dundee	244	50	4th	31	10th	46·4	35·0	40·7	- 2·3	5	1·24	31	+ 15	Dundee	2·8	—	33	4	24	40·0	•	•	•
a Leith	18	53	4th	36	8th	47·4	39·7	43·6	- 1·4	4	1·20	30	+ 17	Leith	•	•	•	0	31	•	•	•	•
a Edinburgh	441	53	6th	35	8th	48·1	38·6	43·4	- 0·5	5	1·16	29	+ 14	Edinburgh	2·6	+ 0·3	30	0	32	•	•	•	•
a West Linton	769	51	5th	33	7,8	44·7	36·4	40·6	+ 0·8	5	1·49	38	—.	West Linton	2·3	—	27	3	26	•	•	•	•
p Marchmont	498	51	5th	33	7th	46·1	37·7	41·9	- 0·7	7	1·12	28	+ 7	Marchmont	2·2	+ 0·2	26	•	•	•	•	•	•
6. a. SCOTLAND, W																							
a Ford (Argyll)	149	50	4,5	35	7,8	48·0	38·1	43·1	—	6	3·15	80	—	Ford (Argyll)	•	•	•	1	30	42·6	•	46·6	•
p Glasgow Observatory	180	51	4,5	37	7,8	47·1	39·1	43·1	- 1·0	5	2·02	51	+ 28	Glasgow	2·0	—	23	0	31	•	•	•	•
p Rothesay	170	50	4,5	36	6-8	46·9	38·3	42·7	- 2·4	6	2·77	70	+ 39	Rothesay	2·0	+ 0·9	23	0	32	42·6	•	46·3	-2·0
a Kilmarnock	90	52	4th	34	10th	47·7	39·0	43·4	+ 0·2	7	3·47	88	+ 65	Kilmarnock	1·9	—	22	•	•	43·4	•	46·9	•
a Colmonell	170	53	5th	40	7-9	48·9	42·4	45·7	+ 0·9	6	2·04	52	+ 21	Colmonell	•	•	•	0	36	•	•	•	•
p Cally, Gatehouse	120	51	5th	34	7th	48·3	39·6	44·0	+ 0·3	6	2·19	56	+ 24	Dumfries	2·2	—	25	4	25	44·0	•	47·1	•
a Dumfries	160	53	6th	36	7th	48·4	39·4	43·9	0·0	5	1·40	36	+ 14	Eskdalemuir	2·1	—	24	4	28	•	•	•	•
a Eskdalemuir	794	50	5th	33	7,10	44·9	35·6	40·3	—	5	2·56	65	—										
b. I. OF MAN p Douglas	277	53	5,6	39	7th	49·7	42·6	46·2	- 0·1	6	1·57	40	+ 10	Douglas	2·8	+ 0·7	31	0	36	•	•	•	•
2. ENGLAND, N.E.																							
a North.. a Alnwick Castle	210	55	5th	35	7,10	49·0	38·4	43·7	- 0·3	5	0·67	17	- 2										
a Tynemouth	71	55	5th	37	7-9	48·1	39·3	43·7	- 1·1	4	0·39	10	- 3	Cockle Park	2·8	+ 0·6	32	1	30	41·2	-0·7	45·0	-1·4
p Durham	336	55	6th	35	10th	48·0	37·9	43·0	- 0·6	6	0·34	9	- 5	Durham	2·5	+ 0·6	28	1	30	•	•	•	•
p Rounton	249	55	6th	34	7th	48·3	38·3	43·3	- 0·2	6	0·57	15	+ 1	Rounton	•	•	•	4	27	44·3	•	•	•
a West Witton	605	55	4,5	35	7,8	47·6	38·1	42·9	—	5	0·57	22	—	West Witton	•	•	•	2	28	42·9	•	45·3	•
p Scarborough	100	54	4th	39	9th	49·9	41·1	45·5	- 0·2	4	0·52	13	- 3	Scarborough†	2·4	+ 0·5	27	•	•	•	•	50·0	•
p York	56	55	6th	37	8th	49·6	40·0	44·8	+ 0·2	6	0·56	14	+ 1	York	2·1	+ 0·5	24	•	•	45·5	-1·4	48·6	-2·1
b. South.. a Spurn Head	26	50	5th	39	8,9	47·3	41·3	44·3	- 1·8	5	0·55	14	+ 2	Spurn Head	1·3	—	15	•	•	•	•	•	•
a Lincoln	58	55	5th	34	8th	49·4	40·0	44·7	+ 0·3	5	0·36	9	- 3	Lincoln	•	•	•	•	•	44·9	-0·5	48·8	-1·7
a Fulbeck	180	54	4,5	34	8,9	50·6	38·3	44·5	+ 0·1	4	0·44	11	- 1	Rauceby	2·5	+ 0·4	28	•	•	45·7	+0·4	49·9	-1·3
														Skegness	3·3	+ 0·9	37	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	54	5th	34	8th	49·4	38·4	43·9	- 2·2	5	0·64	16	+ 3	Cromer	2·4	- 0·1	27	•	•	•	•	•	•
p Little Massingham	280	53	5th	30	8th	49·3	36·9	43·1	- 1·3	4	0·65	17	+ 1	Lit. Massingham	3·4	+ 1·1	38	•	•	•	•	•	•
a Yarmouth	13	53	6th	35	8,9	49·6	38·9	44·3	- 1·6	5	0·39	10	- 4	Yarmouth	2·8	—	31	2	29	47·1	+2·0	50·6	-1·1
a Norwich	93	53	5th	32	5th	48·9	38·1	43·5	- 1·4	5	0·82	21	+ 6	Norwich	2·3	—	26	2	27	44·3	•	•	•
a Geldeston	37	54	5,6	28	5th	50·4	36·4	43·4	- 2·3	5	0·61	16	+ 2	Geldeston	2·3	- 0·2	26	•	•	•	•	•	•
p Cambridge	41	55	4,6	29	5th	51·0	36·9	44·0	- 0·9	4	0·23	6	- 5	Cambridge	3·2	+ 0·7	35	2	27	48·5	+0·5	50·4	-1·1
a Clacton-on-Sea	54	53	4,6	36	8,9	49·9	40·3	45·1	- 0·9	5	0·32	8	- 3	Clacton	3·6	+ 0·8	40	1	30	47·3	-2·0	51·1	-1·3
a Rothamsted	424	52	5th	31	5th	48·4	37·7	43·1	- 1·3	5	0·40	10	- 5	Rothamsted	3·1	+ 0·6	34	3	25	45·7	•	•	•
p Tottenham	51	54	6th	32	5th	50·6	39·7	45·2	- 0·2	4	0·42	11	—	Tottenham	2·6	—	29	•	•	•	•	51·1	-2·0
4. MIDLAND COUNTIES.																							
a North.. a Harrogate	479	55	5th	35	7th	46·9	38·4	42·7	- 0·3	6	0·62	16	- 2	Harrogate	2·0	0·0	22	0	33	44·0	-1·4	46·1	-1·6
p Sheffield	429	58	4th	38	7,9	50·4	40·3	45·4	—	5	0·90	23	—	Sheffield	1·9	+ 0·1	21	0	32	44·8	-0·6	48·4	-1·6
p Buxton	987	51	6th	33	7th	46·0	37·0	41·5	- 0·2	5	2·10	53	+ 24	Buxton	1·6	—	18	1	30	42·4	-1·2	46·7	-2·7
b. East.. a Bawtry	65	55	4th	37	10th	49·1	39·4	44·3	+ 0·5	5	0·40	10	- 2	Worksop	•	•	•	•	•	•	•	•	•
a Nottingham	82	55	4,5	35	8th	49·6	39·7	44·7	+ 0·7	6	0·40	10	- 2	Nottingham	2·5	+ 0·9	28	2	29	44·2	-0·1	47·3	-2·4
p Birmingham, Edgbsn.	535	54	4th	35	8th	49·4	39·3	44·4	+ 0·2	5	0·78	20	+ 5	Birmingham	3·3	+ 1·8	37	2	29	45·4	0·0	48·9	-1·0
a Raunds	203	55	4th	30	5th	49·7	36·4	43·1	- 0·5	5	0·26	7	- 6	Raunds	•	•	•	3	21	46·9	•	52·2	•
p Oxford	208	54	6th	33	5th	50·4	38·3	44·4	- 0·4	4	0·45	11	- 4	Oxford	3·3	+ 1·1	36	3	25	•	•	•	•
c. West.. a Cheadle (N. Staffs.)	646	52	4th	33	8th	48·0	37·7	42·9	- 0·1	5	0·83	21	+ 3	Cheadle	•	•	•	2	29	•	•	•	•
p Shrewsbury	191	56	4-6	37	7,8	52·4	40·0	46·2	+ 1·7	7	0·87	22	+ 8	Shrewsbury	•	•	•	0	31	•	•	•	•
a Hereford§	291	54	5th	34	8th	51·3	39·0	45·2	+ 0·9	5	0·46	12	- 3	Malvern§	3·8	—	42	3	29	46·2	•	49·4	•
a Clifton	229	56	5th	39	8th	51·1	43·1	47·1	+ 1·2	4	0·83	21	- 3	Clifton	2·9	—	32	0	35	•	•	•	•
5. ENGLAND, S.E.																							
														Worthing	3·6	+ 0·8	39	1	29	49·0	+1·8	52·3	-0·7
a Marlborough	424	53	5th	30	5th	49·7	38·3	44·0	+ 0·3	5	0·44	11	- 5	Marlborough	1·9	- 0·1	21	3	26	47·3	•	50·8	•
p Salisbury (Wilton)	180	54	6th	34	5,8	51·0	37·6	44·3	- 0·3	5	0·74	19	+ 1	Salisbury	•	•	•	0	31	48·1	•	•	•
a Wisley, Surrey	150	53	5,6	29	5th	50·0	39·0	44·5	- 0·4	5	0·38	10	- 1	Wisley	3·2	+ 1·0	35	3	22	47·5	+1·5	50·4	-0·9
a Tunbridge Wells	354	53	5,6	30	5th	50·7	38·0	44·4	- 1·0	4	0·57	14	- 4	Tunbridge Wells	2·7	+ 0·2	30	3	24	48·3	+2·9	51·7	•
a Margate	53	54	5,6	37	8,9	51·3	41·3	46·3	- 0·8	3	0·54	14	+ 2	Margate	3·2	+ 1·0	35	0	33	48·5	+2·0	51·8	+0·6
a Dungeness	21	55	6th	35	8th	52·3	40·6	46·5	- 0·7	2	0·55	14	0	Dover	•	•	•	•	•	•	•	•	•
p St. Leonards	178	54	6th	34	8th	51·4	39·7	45·6	- 1·7	4	0·56	14	- 2	St. Leonards	3·4	+ 0·6	36	1	30	47·6	•	51·7	•
p Southampton	64	55	4,6	35	5th	52·3	40·9	46·6	- 0·3	5	0·40	10	- 6	Southampton	2·9	+ 0·5	32	2	22	•	•	•	•
a Ventnor	59	55	5th	38	8th	52·6	44·7	48·7	- 0·4	4	0·57	15	- 2	Ventnor	3·6	+ 0·8	39	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	54	6th	32	5th	50·5	38·7	44·6	- 3·9	5	0·38	10	- 5	Richmond	3·1	+ 1·2	34	2	26	46·8	+0·7	50·0	-1·7
a Westminster	27	55	5,6	33	5th	51·9	39·9	45·9	- 0·8	5	0·33	8	- 6	Westminster	2·4	+ 1·2	26	2	30	•	•	•	•
ag Greenwich	155	54	6th	31	5th	50·6	38·9	44·8	- 0·6	5	0·37	9	- 5	Greenwich	2·6	+ 0·7	29	3	25	•	•	•	•
a Hampstead	450	52	5,6	33	8th	49·0	39·9	44·5	—	6	0·60	15	—	Hampstead	3·0		33	3	24	•	•	•	•
og Camden Square	110	54	4,5	33	5th	51·4	39·6	45·5	- 0·6	6	0·51	13	- 2	Camden Square	2·5	+ 1·1	27	0	31	•	•	•	•
7. a. ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	53	5,6	35	10th	48·6	38·9	43·8	- 0·3	5	2·17	55	+ 31	Aspatria	1·5	- 0·5	17	0	31	44·7	•	47·3	•
p Newton Rigg	559	55	6th	35	8,10	48·6	38·6	43·6	+ 1·0	5	1·67	42	+ 22	Newton Rigg	2·6	+ 0·9	29	2	28	44·1	-1·3	46·6	-2·0
p Stonyhurst	377	54	6th	35	10th	48·0	39·9	44·0	- 0·3	5	1·63	42	+ 16	Stonyhurst	2·1	+ 0·5	24	0	34	•	•	•	•
p Blackpool	66	55	5th	40	8th	49·9	43·1	46·5	+ 1·0	6	1·34	34	+ 13	Blackpool	2·6	+ 0·7	29	0	36	46·9	•	50·1	•
a Southport	37	56	5th	40	8th	50·0	42·4	46·2	+ 0·7	5	1·35	34	+ 15	Southport	2·7	+ 0·9	30	0	35	44·8	+0·6	48·2	-0·9
														Hoylake	2·8	+ 0·9	31	•	•	•	•	•	•
a Liverpool (Bidston)	188	56	5th	41	7,9,10	50·1	42·6	46·4	+ 0·3	5	1·02	26	+ 10	Liverpool	3·1	—	34	0	36	•	•	•	•
a Hawarden Bridge	22	59	5th	39	8th	51·3	42·7	47·0	+ 0·5	5	0·71	18	+ 4	Manchester (City)	0·8	+ 0·1	9	0	34	45·4	+0·4	49·8	-1·6
p Manchester (Whit. Pk.)	125	56	4,6	39	7,8,10	51·1	41·3	46·2	+ 0·7	6	1·10	28	+ 12	Whitworth Park	1·8	+ 1·0	20	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	59	5,6	41	7th	54·3	44·4	49·4	+ 1·7	5	0·65	17	- 2	Llandudno	2·4	+ 0·3	27	•	•	•	•	•	•
a Holyhead	10	56	4th	42	9th	51·0	44·0	47·5	- 0·6	6	1·07	27	+ 3	Holyhead	2·5		28	0	41	•	•	•	•
p Bettws-y-Coed	148	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed.	•	•	•	•	•	•	•	•	•
p Aberdovey	22	56	4th	43	7,8	52·0	46·0	49·0	—	5	1·51	38	—	Aberdovey	2·4	—	27	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	57	4th	41	8th	50·9	45·0	48·0	—	6	0·97	25	—	Aberystwyth ..	2·4	+ 0·1	27	•	•	•	•	•	•
a Rhayader	767	53	4,5	34	7th	48·1	39·7	43·9	—	5	2·08	53	—	Rhayader ..	2·2	—	24	0	32	•	•	•	•
a St. Ann's Head	149	53	4,5	38	8th	50·6	43·9	47·3	- 1·6	7	0·74	19	- 7	St, Ann's Head	2·1	- 0·2	23	•	•	•	•	•	•
p Cardiff	202	54	6th	37	7,8	51·0	42·0	46·5	+ 1·0	5	1·14	29	+ 1	Cardiff	3·5	—	38	1	30	48·7	+3·2	51·1	-0·2
b, ENGLAND, S.W.																							
a Bath	66	56	5th	36	8th	52·0	41·9	47·0	+ 1·3	4	0·57	14	- 5	Bath	•	•	•	•	•	49·6	+1·3	52·4	-1·0
a Shaftesbury	722	53	4,5	34	8th	49·7	39·7	44·7	- 0·4	4	0·54	14	- 8	Shaftesbury ..	•	•	•	•	•	48·1	•	51·0	•
a Arlington	613	53	5th	39	8th	50·1	43·8	46·7	+ 0·9	6	2·00	51	+ 12										
a Newquay	190	56	4th	42	8th	51·9	45·6	48·8	- 0·6	6	0·80	20	- 4	Newquay ..	2·7	+ 0·1	29	0	33	51·3	•	52·9	•
a Cullompton	202	55	5,6	33	8th	51·7	41·9	46·8	+ 0·9	7	0·77	20	- 4	Cullompton ..	2·6	+ 0·5	28	1	27	49·3	•	•	•
a Portland Bill	19	55	4,5	45	9th	52·6	47·3	50·0	+ 0·5	3	0·39	10	- 9	Weymouth ..	3·2	—	34	•	•	•	•	•	•
p Plymouth	116	55	6th	40	8th	52·6	45·0	48·8	+ 0·4	5	0·39	10	- 14	Plymouth ..	3·2	+ 0·8	34	0	33	49·5	+0·2	52·3	•
a Falmouth	167	55	4th	39	8th	52·1	43·7	47·9	- 1·2	6	0·95	24	- 8	Falmouth ..	3·3	+ 0·7	35	0	35	52·3	•	54·0	•
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	50	4th	37	7th	48·1	40·7	44·4	- 2·1	6	2·33	59	+ 38	Malin Head ..	2·0	—	23	•	•	•	•	•	•
a Blacksod Point ..	327	52	4th	35	7th	48·7	40·0	44·4	- 2·9	7	2·49	63	+ 30	Markree Castle	1·6	- 0·4	18	0	33	45·9	•	49·2	•
p Markree Castle ..	122	52	5,8	37	7th	50·0	40·4	45·2	+ 0·7	7	4·23	107	+ 80										
b, East .. *p* Armagh	196	55	6th	34	8th	50·3	39·6	45·0	+ 0·5	6	1·76	45	+ 27	Armagh	2·1	0·0	24	1	28	45·6	-0·4	48·2	-2·2
a Donaghadee	101	53	5th	37	8,9	48·7	41·0	44·9	- 1·2	7	1·31	33	+ 14										
10. IRELAND, S.																							
p Dublin, City	47	57	5,6	36	8th	52·1	42·0	47·1	+ 0·2	6	0·67	17	- 1	Dublin City ..	•	•	•	0	32	•	•	•	•
a Birr Castle	175	55	5th	35	8th	50·1	40 3	45·2	+ 0·7	7	1·02	26	+ 5	Trinity Coll. ..	•	•	•	0	31	47·9	+1·0	49·7	-1·0
a Kilkenny	212	56	5th	33	7th	51·1	40·3	45·7	+ 0·6	7	0·53	14	- 7	Phœnix Park ..	2·9	+ 0·5	32	2	30	•	•	•	•
a Waterford	20	57	6th	35	7th	53·0	42·0	47·5	+ 0·9	3	0·35	9	- 17	Birr Castle ..	1·1	- 1·0	12	2	29	•	•	•	•
a Seskin, Carrick-on-Suir	541	56	5th	35	7,8	51·0	40·0	45·5	—	5	0·57	15	—	Seskin	2·6	—	29	2	30	•	•	•	•
a Cahir	199	55	5th	37	7th	50·6	40·0	45·3	0·0	7	0·97	25	—										
a Foynes	50	56	5th	38	8th	51·1	42·1	46·6	0·0	7	1·36	35	+ 8										
a Cahirciveen (Val. Obs.)	30	55	5th	42	7th	51·6	43·7	47·7	- 1·1	7	1·27	32	- 6	Cahirciveen ..	2·0	- 0·2	22	0	37	•	•	•	•
a Killarney	174	57	5th	39	7th	52·6	42·1	47·4	+ 0·2	7	1·10	28	- 10	Ballinacurra ..	3·0	+ 0·9	33	•	•	•	•	•	•
a Roche's Point	32	55	8th	39	5th	51·3	41·7	46·5	- 1·9	7	0·42	11	- 18										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	56	4th	45	7-10	52·0	46·3	49·2	- 1·0	7	0·47	12	- 12	Scilly	3·1	+ 0·4	33	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	58	4th	43	8th	54·1	46·4	50·3	- 0·1	5	0·67	17	- 13	St. Heliers ..	2·1	- 0·7	22	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	59	4th	44	8th	53·9	48·0	51·0	+ 0·6	5	0·74	19	- 12	Guernsey† ..	2·4	- 0·1	26	0	39	51·8	+1·0	54·0	-0·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 10th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	m/s.	Mid Time. day.	hr.	Highest Gust. Speed. m/s.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.								
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	4, 5	14	74	59	21	0	S. by W.	16	4	24	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	153	105	52	—	—	5 to 8	8	56	96	8	0	WNW.	15	7	20	23	7	19	10
Edinburgh	485	39	31	—	—	4,5	5	108	39	16	0	SSW.	13	5	3	22	4	23	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	6	2	4 to 8	26	91	33	16	0	SSW.	20	6	2	28	6	1	55
Paisley	188	81	52	—	—	—	—	26	123	19	0	SW. by S.	9	4	22	21	4	23	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	37	110	21	0	N. by W.	11	10	10	18	6	5	5
South Shields	72	61	12	—	—	6	2	58	95	13	0	W. by N.	13	6	6	24	6	5	35
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	40	114	14	0	S. by W.	8	6	6	—	—	—	—
Gorleston	52	42	‡	—	—	6	3	62	93	10	0	—	12	6	6	16	6	6	10
Shoeburyness	103	90	‡	—	—	6	7	120	38	3	0	SW. by S.	13	6	7	19	10	5	30
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	83	75	10	0	S. by W.	10	6	5	18	6	6	35
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	6	2	40	113	13	0	—	11	6	5	20	6	5	55
Brighton	261	53	6	—	—	6	5	108	40	0	15	—	12	6	8	18	6	7	30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	35	113	17	0	SSW.	9	6	4	16	6	5	0
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	7,8	4	5 to 10	74	66	24	0	0	NW. by W.	19	7	22	—	—	—	—
Southport	80	62	48	9	1	5 to 10	88	59	20	0	0	W. by N.	18	9	21	25	9	5	30
Holyhead	60	40	‡	9, 10	10	5 to 10	98	42	17	1	0	W. by N.	21	9	21	30	9	20	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	5, 6, 8 to 10	34	80	48	6	0	SW.	17	6	1	25	9	11	35
Plymouth	185	88	2	—	—	5, 6	11	77	70	10	0	—	14	6	3	19	6	1	50
Lyme Regis	556	61	‡	—	—	5 to 7, 9, 10	24	95	26	23	0	—	16	9	22	22	9	21	20
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	9	1	5 to 10	68	64	28	7	0	W. by S.	17	9	13	—	—	—	—
Quilty	100	40	‡	9	5	5 to 10	97	47	14	5	0	—	18	9	20	26	9	17	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	5, 6, 8 to 10	37	104	16	11	0	SW.	16	5	21	26	5	20	50
Weaver Pt.	160	30	‡	—	—	5, 9, 10	22	70	64	11	1	—	16	5	22	33	5	22	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	9, 10	7	6 to 10	78	47	21	15	0	—	18	10	6	27	9	13	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIFTH WEEK of 1917—November 4th to November 10th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	33	80·9	76·2	78·6	− 0·7	12	− 11	12	− 1	7	+ 2	1·96	50	+ 17	1·3	−0·1	16	997
Eastern.																			
1. SCOTLAND, EAST ...	53	29	80·7	75·3	78·0	− 1·0	11	− 12	23	+ 6	6	+ 1	1·43	36	+ 16	2·5	+0·5	29	999
2. ENGLAND, N.E.	55	34	82·4	77·1	79·8	− 0·3	26	− 3	7	− 3	5	+ 1	0·49	12	− 2	2·6	+0·6	29	1003
3. ENGLAND, EAST ...	55	28	82·8	76·4	79·7	− 0·7	30	− 4	11	+ 1	5	+ 1	0·50	13	0	2·9	+0·4	33	1007
4. MIDLAND COUNTIES ...	56	30	82·9	76·9	79·9	0·0	30	− 1	8	− 5	5	+ 1	0·59	15	− 2	2·7	+0·7	29	1007
5. ENGLAND, S.E.	55	29	83·7	77·4	80·6	− 0·3	34	− 7	6	− 1	4	0	0·51	13	− 8	3·1	+0·7	34	1008
Western.																			
6. SCOTLAND, WEST ...	53	34	81·9	77·3	79·7	− 0·4	23	− 6	6	− 3	6	+ 1	2·33	59	+ 25	2·4	+0·8	28	1002
7. ENGLAND, N.W.	59	35	83·2	78·4	80·8	+ 0·2	29	− 4	1	− 6	5	0	1·26	32	+ 9	2·4	+0·6	26	1005
8. ENGLAND, S.W.	57	33	83·6	79·1	81·4	0·0	36	− 7	0	− 5	5	0	0·96	24	− 4	2·6	+0·4	29	1009
9. IRELAND, NORTH ...	55	34	82·6	77·6	80·2	− 0·2	27	− 5	5	− 4	7	+ 2	2·19	56	+ 31	1·9	−0 2	21	1003
10. IRELAND, SOUTH ...	57	33	83·8	78·3	81·1	− 0·1	34	− 8	1	− 6	6	+ 1	0·85	22	− 5	2·3	0·0	25	1010
11. ENGLISH CHANNEL ...	59	43	84·8	81·3	83·1	− 0·4	57	− 6	0	0	6	+ 1	0·63	16	− 12	2·5	−0·1	27	1012

THE SEASON (Autumn).—Aggregates, &c., for the Period of 10 Weeks, September 2nd to November 10th, 1917.

0. SCOTLAND, NORTH ...	68	25	83·9	78·4	81·1	− 0·8	401	− 87	92	+ 41	61	+13	18·46	471	+205	2·3	−0·4	21	1003
Eastern.																			
1. SCOTLAND, EAST ...	70	18	84·8	77·4	80·9	− 1·1	427	− 88	131	+ 65	47	+ 7	7·14	181	+ 14	3·6	+0·4	32	1005
2. ENGLAND, N.E.	73	26	86·6	79·4	82·9	− 0·3	632	+ 13	56	+ 26	34	− 2	3·81	97	− 40	4·1	+0·6	37	1009
3. ENGLAND, EAST ...	75	24	87·5	79·6	83·4	− 0·5	698	− 12	54	+ 23	34	− 1	5·48	140	+ 7	4·9	+1·0	44	1012
4. MIDLAND COUNTIES ...	74	23	87·2	79·3	83·1	− 0·1	657	+ 13	58	+ 10	39	+ 4	6·05	153	+ 8	3·8	+0·4	34	1012
5. ENGLAND, S.E.	75	22	88·1	80·4	84·2	− 0·3	752	− 26	30	+ 8	36	+ 1	6·14	156	− 14	4·7	+0·6	42	1013
Western.																			
6. SCOTLAND, WEST ...	75	25	85·4	79·3	82·3	− 0·5	546	− 35	63	+ 27	56	+16	14·12	358	+104	2·8	−0·4	26	1008
7. ENGLAND, N.W.	73	25	86·4	80·5	83·3	− 0·3	637	− 15	24	+ 3	50	+10	9·82	252	+ 54	3·1	−0·2	28	1011
8. ENGLAND, S.W.	73	25	87·3	80·9	84·0	− 0·3	698	− 45	10	− 6	45	+ 4	10·07	256	+ 32	3·4	−0·4	31	1013
9. IRELAND, NORTH ...	69	27	85·8	79·7	82·7	− 0·5	573	− 41	40	+ 13	59	+15	11·71	297	+ 96	2·7	−0·5	25	1008
10. IRELAND, SOUTH ...	71	22	86·9	80·6	83·6	− 0·3	665	− 37	17	− 5	53	+12	7·38	189	− 17	3·0	−0·6	27	1013
11. ENGLISH CHANNEL ...	77	37	88·3	83·2	85·7	− 0·4	896	− 58	0	0	51	+ 9	8·75	221	+ 18	4·4	−0·2	39	1016

THE YEAR 1917.—Aggregates, &c., for the Period of 45 Weeks, December 31st, 1916, to November 10th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·7	77·8	80·6	− 0·5	1949	− 81	776	+186	213	+ 4	42·68	1085	+ 27	3·5	+0·1	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·3	76·8	80·4	− 0·9	2062	−191	1015	+332	171	− 7	26·09	666	− 2	4·0	0·0	31	1012
2. ENGLAND, N.E.	87	5	85·4	78·3	81·7	− 0·5	2631	+ 35	837	+335	160	0	21·24	540	+ 1	4·2	−0·2	33	1013
3. ENGLAND, EAST ...	93	5	86·2	78·7	82·3	− 0·6	3004	+ 20	840	+315	153	− 2	22·58	577	+ 65	4·8	0·0	37	1014
4. MIDLAND COUNTIES ...	89	4	86·2	78·1	82·0	− 0·6	2878	− 2	889	+319	156	+ 2	25·21	642	+ 68	4·0	−0·2	31	1014
5. ENGLAND, S.E.	90	4	86·5	79·2	82·7	− 0·7	3080	−109	723	+322	147	− 4	26·65	678	+ 99	4·8	−0·2	38	1014
Western.																			
6. SCOTLAND, WEST ...	81	11	85·0	78·2	81·5	− 0·6	2407	− 77	726	+274	182	− 3	37·41	951	− 33	3·9	−0·2	31	1013
7. ENGLAND, N.W.	82	5	85·4	78·8	82·0	− 0·6	2680	− 34	727	+324	168	− 2	31·20	797	+ 49	4·2	−0·1	33	1013
8. ENGLAND, S.W.	86	4	85·9	79·3	82·4	− 0·9	2842	−171	629	+312	166	− 4	33·58	854	+ 44	4·6	−0·1	36	1015
9. IRELAND, NORTH ...	76	7	85·1	78·7	81·8	− 0·7	2451	−135	576	+209	206	+ 2	34·83	888	+ 76	3·6	−0·3	28	1012
10. IRELAND, SOUTH ...	77	9	86·2	79·4	82·7	− 0·6	2863	−119	518	+236	194	+13	32·14	819	− 24	4·1	−0·2	32	1014
11. ENGLISH CHANNEL ...	83	22	86·6	81·2	83·8	− 0·8	3305	−239	347	+242	171	− 4	28·79	731	+ 57	5·4	−0·3	43	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: November 15th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 181

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 46.

THE FORTY-SIXTH WEEK OF 1917.

SUNDAY, NOVEMBER 11TH, TO SATURDAY, NOVEMBER 17TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

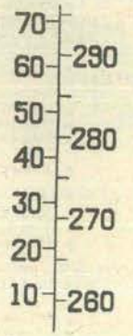
I.—GENERAL SUMMARY. [First published in 1878.]

During the earlier part of the week an anticyclone moved up from the Azores to a position covering the south of England and France, where it remained stationary till the end of the period. Depressions kept almost entirely far to the northward of the British Isles, the only exception being a well marked secondary which lay over the west of England on the morning of the 12th and gave moderate falls of rain, amounting generally to about 10mm. in that district and somewhat larger measurements in Ireland. A fall of 36mm. was reported at Markree Castle on the 11th and was the only daily fall throughout the week which exceeded 20mm. The absence of depressions passing near the British Isles resulted in a weekly fall below normal in all districts, especially in the east. In both England north-east and south-east the week was rainless, while in England east and the Midland counties only 1mm fell. This absence of precipitation was not generally associated with an absence of cloud since sunshine measurements were in many districts below normal, by half-an-hour per day in England south-east and Ireland north, and by over one hour per day in England south-west. The longest duration of bright sunshine for any district, 2·8 hours per day, was recorded in the English Channel.

Sea temperature exhibited no striking departures from the normal. At Port Erin in England north-west the mean of 283 a. showed a deficit of 0·7 a., while in Ireland north-west there was an excess of about the same amount. Mean air temperature showed a good deal of variation in different parts of the country, but tended in most cases to be in excess, by over 2 a. in Scotland north and east. The highest day temperature of the week, 288 a., occurred in the far north, at Gordon Castle on the 16th. The cloudiness of the sky hindered the formation of low night temperatures by radiation and few night minima showing more than one or two degrees of frost occurred. At the majority of stations the freezing point was not reached in the screen.

Gales were almost entirely absent throughout the week and the anticyclonic conditions over England led to the formation of much mist and fog.

Aurora was observed from Scottish stations on the nights of the 12th and 13th, and solar halos were seen in the earlier part of the week at Oxford, Greenwich and Dublin.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	4·1	21	2·7	5	1·3	3	0·4	19	3·3	8	1·7	9	2·9	18	3·7
North	6	2·5	1	0·8	17	1·4	6	2·2	8	4·2	16	2·4	10	1·7	6	1·9
West	26	5·1	28	5·0	28	2·7	13	1·6	26	3·1	16	2·4	21	3·7	8	3·3
East	0	—	0	—	0	—	0	—	1	1·2	6	1·1	0	—	15	0·9
Calm	2	—	0	—	0	—	15	—	1	—	2	—	7	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Light	Very light	Very light	Very light	Very light	Light	Very Light	Light	Moderate	Light	Light
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty	Moderate	Moderate	Moderate

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 11 weeks from Sept. 2nd, 1917.	Warmth ...	2, 5, 4	2, 5, 4	4, 5, 2	3, 5, 3	3, 7, 1	2, 6, 3	3, 4, 4	3, 5, 3	2, 6, 3	2, 5, 4	3, 5, 3	2, 5, 4
	Rainfall ...	8, 3, 0	3, 4, 4	1, 4, 6	3, 4, 4	3, 4, 4	1, 6, 4	5, 4, 2	4, 3, 4	4, 4, 3	5, 4, 2	2, 6, 3	2, 7, 2
	Sunshine ...	2, 5, 4	5, 5, 1	6, 3, 2	4, 6, 1	5, 3, 3	6, 4, 1	0, 9, 2	4, 4, 3	3, 2, 6	0, 9, 2	1, 6, 4	4, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(14391—19.) Wt. 153—442. 450. 11/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F	°F		in.	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick ..	54	50	12, 13, 17	37	11, 12	48·9	40·9	44·9	+ 2·6	7	1·65	42	+ 19										
p Deerness	160	52	13, 16	39	11th	49·6	42·3	46·0	—	7	0·75	19	- 2	Deerness	0·8	- 0·4	10	*	*	*	*	*	*
a Stornoway	51	52	12, 15–17	35	11th	50·9	41·4	46·2	+ 3·7	7	0·76	19	- 12	Stornoway	1·4	0·0	18	*	*	*	*	*	*
a Castlebay, Barra Isd.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	*	*	*	*	*	*	*	*	*
b, Mainland. *a* Wick	81	53	13th	36	11th	50·3	40·0	45·2	+ 3·5	5	0·35	9	- 8	Fort Augustus	1·0	+ 0·2	13	*	*	*	*	*	*
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	50	13th	35	11th	47·6	40·6	44·1	+ 3·4	7	1·83	46	- 4										
p Fort Augustus	68	52	16, 17	33	15th	49·7	41·7	45·7	+ 4·2	5	0·41	10	- 14										
p Fort William	171	51	12-14	34	11th	49·1	42·1	45·6	+ 3·2	7	1·75	44	+ 2										
1. SCOTLAND, E.																							
a Nairn	82	55	16th	35	11, 15	50·9	39·7	45·3	+ 4·8	5	0·29	7	- 7	Nairn	1·3	—	16	*	*	*	*	*	*
p Gordon Castle	101	59	16th	35	15th	52·1	40·9	46·5	+ 5·0	5	0·25	6	- 10	Gordon Castle	0·5	—	6	*	*	*	*	*	*
a Aberdeen	46	55	16th	37	15–17	50·7	39·0	44·9	+ 3·5	3	0·09	2	- 15	Aberdeen	1·8	0·0	23	2	28	*	*	44·6	-1·5
a Balmoral	930	54	16th	28	15th	48·7	37·6	43·2	+ 5·5	2	0·05	1	- 21	Balmoral	*	*	*	1	25	*	*	*	*
p Crieff	432	56	16th	33	15th	50·0	38·4	44·2	+ 3·5	3	0·07	2	- 23	Crathes	1·8	0·0	24	5	25	39·7	-2·0	43·7	-3·1
a Dundee	244	55	16th	31	15th	50·3	37·1	43·7	+ 3·1	2	0·05	1	- 13	Dundee	1·9	—	24	3	23	40·0	*	*	*
a Leith	18	55	13th	36	11, 12	50·7	39·4	45·1	+ 2·5	3	0·09	2	- 9	Leith	*	*	*	1	30	*	*	*	*
a Edinburgh	441	54	13th	36	11th	49·3	41·3	45·3	+ 3·8	1	0·01	0	- 12	Edinburgh	2·2	+ 0·2	27	0	31	*	*	*	*
a West Linton	769	50	13th	31	11th	47·4	36·0	41·7	+ 4·5	2	0·23	6	—	West Linton	0·9	—	11	3	24	*	*	*	*
p Marchmont	198	54	16th	32	15th	48·6	38·9	43·8	+ 3·6	1	0·02	1	- 16	Marchmont	1·6	- 0·1	20	*	*	*	*	*	*
6. *a*, SCOTLAND, W																							
a Ford (Argyll)	149	55	16th	31	11th	50·9	38·3	44·6	—	7	1·36	35	—	Ford (Argyll)	*	*	*	2	26	42·8	*	45·5	*
p Glasgow Observatory	180	53	16th	36	11th	49·1	42·3	45·7	+ 3·9	3	0·25	6	- 12	Glasgow	1·4	+ 0·4	17	2	26	*	*	*	*
p Rothesay	170	52	13, 14	37	11th	49·6	41·9	45·8	+ 3·0	7	0·51	13	- 12	Rothesay	1·1	—	14	0	31	43·0	*	46·0	-1·1
a Kilmarnock	90	54	12th	28	11th	51·1	38·3	44·7	+ 3·9	4	0·33	8	- 11	Kilmarnock	1·1	—	14	*	31	42·6	*	46·1	*
a Colmonell	170	57	16th	35	15th	52·0	39·6	45·8	+ 3·3	3	0·15	4	- 20	Colmonell	*	*	*	1	30	*	*	*	*
p Cally, Gatehouse	120	53	12th	30	11th	50·1	39·0	44·6	+ 3·2	2	0·27	7	- 18	Dumfries	1·3	—	16	4	23	42·6	*	46·3	*
a Dumfries	160	54	16th	32	15th	49·4	40·4	44·9	+ 3·4	3	0·08	2	- 15	Eskdalemuir	1·6	—	20	3	25	*	*	*	*
a Eskdalemuir	794	54	12th	29	16th	48·9	34·1	41·5	—	3	0·28	7	—										
b, I. OF MAN *p* Douglas	277	52	16th	39	15th	50·3	42·9	43·6	+ 2·4	3	0·25	6	- 17	Douglas	2·1	- 0·1	25	0	32	*	*	*	*
2. ENGLAND, N.E.																							
a Alnwick Castle	210	55	12, 16	34	15th	51·4	39·6	45·5	+ 3·5	2	0·02	1	- 18										
a Tynemouth	71	53	13th	36	11, 12, 16	49·7	37·9	43·8	+ 1·0	0	0·00	0	- 13	Cockle Park	3·0	+ 0·8	36	2	30	41·3	+1·5	44·2	- 0·8
p Durham	336	56	16th	33	13th	50·7	36·3	43·5	+ 2·0	0	0·00	0	- 14	Durham	2·9	+ 1·0	35	2	27	*	*	*	*
a North *p* Rounton	249	55	16th	30	15th	50·7	37·3	44·0	+ 2·6	3	0·04	1	- 13	Rounton	*	*	*	5	21	*	*	*	*
a West Witton	605	53	12th	36	11th	49·4	39·9	44·7		2	0·02	1	—	West Witton	*	*	*	3	29	42·6	*	44·9	*
p Scarborough	100	56	16th	40	12, 15	53·1	41·7	47·4	+ 3·8	1	0·02	1	- 14	Scarborough†	2·6	+ 0·9	31	*	*	*	*	49·0	*
p York	56	55	12th	35	15th	51·3	38·9	45·1	+ 2·6	0	0·00	0	- 13	York	2·8	+ 1·4	33	*	*	43·9	-1·0	47·8	-1·5
b, South *a* Spurn Head	26	49	14, 16	39	11, 13	47·0	40·6	43·8	- 0·2	0	0·00	0·1	- 12	Spurn Head	1·1	—	13	*	*	*	*	*	*
a Lincoln	58	52	16th	30	15, 16	49·4	35·2	42·3	+ 0·1	0	0·00	0	- 12	Lincoln	*	*	*	*	*	42·8	-0·3	47·9	-1·3
a Fulbeck	180	52	14th	31	15th	49·6	35·9	42·8	+ 0·5	3	0·04	1	- 11	Rauceby	2·0	0·0	23	*	*	43·1	0·0	48·2	-1·0
														Skegness	1·9	- 0·4	22	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	52	13, 17	35	12–14	49·7	37·7	43·7	- 0·2	6	0·08	2	- 12	Cromer	2·5	+ 0·4	29	*	*	*	*	*	*
p Little Massingham	280	50	17th	31	13th	46·7	35·6	41·2	- 1·0	4	0·04	1	- 14	Lit. Massingham	1·7	- 0·2	20	*	*	*	*	*	*
a Yarmouth	13	51	16, 17	33	13, 14	49·3	35·7	42·5	- 1·2	1	0·04	1	- 14	Yarmouth	2·7	—	31	1	30	45·1	+2·3	50·0	+0·2
a Norwich	93	50	13, 16	34	12th	48·3	36·4	42·4	- 0·3	3	0·03	1	- 16	Norwich	2·6	—	30	2	28	42·1	*	*	*
a Geldeston	37	52	13, 16, 17	31	12th	50·4	33·7	42·1	- 1·3	4	0·04	1	- 14	Geldeston	2·7	+ 0·5	31	*	*	*	*	*	*
p Cambridge	41	53	14, 15	31	15th	50·7	33·3	42·0	- 0·7	0	0·00	0	- 12	Cambridge	2·0	- 0·2	23	3	26	44·4	+0·6	49·5	-0·5
a Clacton-on-Sea	54	50	12, 14	32	13th	47·6	35·4	41·5	- 2·2	2	0·03	1	- 11	Clacton	2·2	- 0·2	25	2	28	44·6	-2·9	50·1	-0·8
a Rothamsted	424	51	14th	31	17th	47·0	33·9	40·5	- 1·8	3	0·03	1	- 16	Rothamsted	0·9	- 1·4	10	6	24	43·4	*	*	*
p Tottenham	51	53	14th	34	13th	48·4	37·4	42·9	- 1·7	0	0·00	0	—	Tottenham	0·6	—	7	*	*	*	*	50·3	-1·0
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	52	14th	36	11, 15	49·0	39·4	44·2	+ 3·6	0	0·00	0·1	- 14	Harrogate	3·4	+ 1·4	41	1	29	42·8	-0·8	45·1	-1·2
p Sheffield	429	54	14th	37	11th	50·6	41·6	46·1	—	0	0·00	0	—	Sheffield	1·8	0·0	21	0	31	43·3	-0·2	47·6	-1·2
p Buxton	987	52	13th	32	11th	45·9	38·3	42·1	+ 1·5	3	0·06	2	- 21	Buxton	1·2	—	14	2	27	40·7	-0·9	46·0	-2·1
b, East *a* Bawtry	65	53	16, 17	29	13th	50·3	36·6	43·5	+ 2·2	1	0·01	0	- 9	Worksop	1·4	- 0·3	16	5	21	42·0	*	46·6	*
a Nottingham	82	52	14, 16	32	15, 16	49·7	36·1	42·9	+ 1·4	1	0·01	0·3	- 9	Nottingham	0·2	- 1·3	2	3	26	41·8	-0·2	46·3	-1·7
p Birmingham, Edgbsn.	535	51	14th	36	11, 13	47·9	38·3	43·1	+ 1·4	2	0·02	1	- 11	Birmingham	0·8	- 0·6	9	6	25	43·7	-0·2	48·4	-0·7
a Raunds	203	53	14th	32	17th	48·4	34·0	41·2	+ 0·4	0	0·00	0	- 10	Raunds	*	*	*	7	20	45·6	*	51·2	*
p Oxford	208	53	14th	31	17th	47·7	35·0	41·4	- 0·8	1	0·03	1	- 10	Oxford	1·3	- 0·9	15	6	22	*	*	*	*
c, West *a* Cheadle (N. Staffs.)	616	50	13th	33	11, 13	47·1	36·1	41·6	+ 1·1	1	0·02	1	- 14	Cheadle	*	*	*	4	27	*	*	*	*
p Shrewsbury	191	54	13, 16	31	13, 15	51·4	34·7	43·1	+ 1·0	2	0·05	1	- 10	Shrewsbury	*	*	*	4	27	*	*	*	*
a Hereford§	291	56	13th	27	15th	51·0	32·9	42·0	+ 0·2	0	0·00	0	- 12	Malvern§	2·8	—	32	5	23	43·4	*	48·3	*
a Clifton	229	54	14th	32	16th	49·6	37·1	43·4	0·0	1	0·01	0·2	- 18	Clifton	1·6	—	18	3	30	*	*	*	*
5. ENGLAND, S.E.																							
a Marlborough	424	51	14th	26	16th	48·6	33·6	41·1	- 0·9	2	0·04	1	- 15	Worthing	2·5	- 0·3	28	3	29	46·3	+1·7	51·5	+0·1
p Salisbury (Wilton)	180	52	14th	27	16th	49·7	33·1	41·4	- 1·5	0	0·00	0	- 18	Marlborough	1·4	- 0·5	16	4	21	44·3	*	50·1	*
a Wisley, Surrey	150	52	14th	29	17th	48·1	33·4	40·8	- 2·4	0	0·00	0	- 11	Salisbury	*	*	*	3	25	45·0	*	*	*
a Tunbridge Wells	354	51	14, 16	31	17th	48·3	34·7	41·5	- 2·1	0	0·00	0	- 18	Wisley	0·7	- 1·4	8	7	22	45·0	+1·0	49·5	-0·2
a Margate	53	53	12th	38	12th	49·0	41·0	45·0	- 0·3	0	0·00	0	- 12	Tunbridge Wells	1·0	- 1·5	11	5	26	46·4	+3·2	50·6	*
a Dungeness	21	53	12th	28	17th	49·3	36·7	43·0	- 2·5	1	0·01	0·2	- 14	Margate	1·7	- 0·4	20	0	34	46·5	+1·2	50·5	+1·0
p St. Leonards	178	54	12th	38	14, 17	49·4	39·3	44·4	- 1·2	2	0·02	1	- 15	Dover	*	*	*	*	*	*	*	*	*
p Southampton	64	53	14th	30	16, 17	49·6	36·0	42·8	- 2·4	0	0·00	0	- 16	St. Leonards	2·8	+ 0·1	32	0	32	44·9	*	50·5	*
a Ventnor	59	55	12th	38	15th	52·0	41·1	46·6	- 0·8	2	0·02	1	- 16	Southampton	1·9	- 0·5	22	3	21	*	*	*	*
LONDON. *p* Richmond (Kew Obs.)	18	52	14th	31	17th	48·0	35·6	41·8	- 2·0	0	0·03	1‖	- 10	Ventnor	3·3	+ 0·5	37	*	*	*	*	*	*
a Westminster	27	54	14th	34	15, 17	48·4	36·5	42·5	- 2·5	0	0·00	0	- 11	Richmond	0·5	- 1·4	6	5	26	43·9	- 0·2	49·3	-1·0
ag Greenwich	155	53	14th	30	17th	47·7	34·7	41·2	- 3·3	0	0·00	0	- 13	Westminster	0·2	- 0·9	2	1	28	*	*	*	*
a Hampstead	450	50	14th	32	17th	45·9	34·6	40·3	—	0	0·00	0	—	Greenwich	0·7	- 0·9	8	6	25	*	*	*	*
ag Camden Square	110	53	14th	34	15th	47·6	36·6	42·1	- 2·2	0	0·00	0	- 12	Hampstead	0·7	—	8	7	24	*	*	*	*
														Camden Square	0·3	- 1·0	3	1	30	*	*	*	*
7. *a*, ENGLAND, N.W.																							
c Aspatria (Mealsgate)	487	52	12th	32	11th	48·0	40·0	44·0	+ 2·3	5	0·18	5	- 16	Aspatria	1·9	- 0·3	23	1	27	43·6	*	46·8	*
p Newton Rigg	559	53	12, 16	29	15th	48·4	34·6	41·5	+ 1·5	2	0·09	2	- 14	Newton Rigg	2·9	+ 1·0	35	5	23	42·7	-0·6	45·9	-1·4
p Stonyhurst	377	50	12th	34	15th	47·9	40·0	44·0	+ 2·1	6	0·26	7	- 16	Stonyhurst	1·1	- 0·6	13	1	30	*	*	*	*
p Blackpool	66	52	14th	35	11, 15	49·7	38·7	44·2	+ 1·1	4	0·14	4	- 13	Blackpool	1·9	- 0·2	22	3	26	46·1	*	49·7	*
a Southport	37	50	12th	36	11th	49·0	39·6	44·3	+ 1·3	3	0·14	4	- 12	Southport	1·8	- 0·2	21	2	26	42·6	+0·8	47·1	-0·3
														Hoylake	2·3	+ 0·2	27	*	*	*	*	*	*
a Liverpool (Bidston)	188	50	12–15	38	13, 14	49·4	41·0	45·2	+ 1·5	5	0·20	5	- 8	Liverpool	2·3	—	27	0	31	*	*	*	*
a Hawarden Bridge	22	53	13, 15	32	13th	51·6	40·0	45·8	+ 1·7	2	0·08	2	- 9	Manchester (City)	0·2	- 0·4	2	1	28	43·3	+0·6	48·9	-0·9
p Manchester (Whit. Pk.)	125	50	12, 14	33	11th	48·1	39·3	43·7	+ 0·8	3	0·06	2	- 11	Whitworth Park	0·2	- 0·5	2	*	*	*	*	*	*
b. NORTH WALES.																							
p Llandudno	16	54	13th	37	13, 15	51·1	41·3	46·2	+ 0·8	4	0·13	3	- 12	Llandudno	3·1	+ 0·8	36	*	*	*	*	*	*
a Holyhead	14	54	12, 14	39	15, 16	52·1	43·7	47·9	+ 2·0	2	0·20	5	- 16	Holyhead	2·7	—	31	1	30	*	*	*	*
p Bettws-y-Coed	148	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed	*	*	*	*	*	*	*	*	*
p Aberdovey	22	57	14th	38	15th	51·9	42·0	47·0	—	4	0·67	17	—	Aberdovey	2·2	- 0·3	25	*	*	*	*	*	*

† Earth temperature at 3 ft. § The temperature on the grass refers to Hereford. ‖ Dew.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	60	12, 13, 17	35	11, 15	49·6	40·0	44·8	—	4	0·36	9	—	Aberystwyth ..	1·7	- 0·8	20	•	•	•	•	•	•
a Rhayader	767	54	12th	26	15th	49·0	33·6	41·3	—	2	0·15	4	—	Rhayader ..	2·3	—	27	4	18	•	•	•	•
a St. Ann's Head ..	149	55	16th	39	16th	52·0	43·4	47·7	+ 0·7	5	0·70	18	- 2	St. Ann's Head	1·5	- 0·9	17	•	•	•	•	•	•
p Cardiff	202	56	14th	32	15th	50·4	38·3	44·4	+ 1·2	3	0·15	4	- 17	Cardiff	2·3	—	26	4	24	45·8	+2·3	50·5	+0·7
b, ENGLAND, S.W.																							
a Bath	66	54	14th	27	16th	50·3	34·7	42·5	- 0·9	1	0·01	0	- 14	Bath	•	•	•	•	•	46·8	+0·4	51·6	-0·2
a Shaftesbury	722	49	12, 14	35	11, 15	47·1	37·6	42·4	- 0·4	2	0·04	1	- 16	Shaftesbury ..	•	•	•	•	•	45·3	•	50·3	•
a Arlington	613	52	14th	31	15th	48·7	38·4	43·6	- 0·1	5	0·48	12	- 17										
a Newquay	190	53	12th	35	15th	51·6	42·9	47·3	- 0·2	2	0·46	12	- 7	Newquay ..	0·7	- 2·1	8	1	28	50·1	•	52·4	•
a Cullompton	202	53	12, 14	30	15th	51·1	34·9	43·0	- 0·8	3	0·13	3	- 14	Cullompton ..	1·4	- 0·8	16	4	23	46·7	•	•	•
a Portland Bill	19	56	12th	40	15th	53·0	42·6	47·8	+ 0·3	1	0·08	2	- 11	Weymouth ..	3·4	—	38	•	•	•	•	•	•
p Plymouth	116	55	15th	38	11th	51·1	43·7	47·4	+ 1·0	1	0·37	9	- 10	Plymouth ..	1·1	- 1·5	12	1	29	47·4	+0·4	51·7	•
a Falmouth	167	54	14th	41	14, 15	51·7	43·6	47·7	+ 0·4	1	0·40	10	- 15	Falmouth ..	0·4	- 2·4	4	1	30	50·9	•	53·6	•
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	55	13th	42	12, 15	50·9	43·6	47·3	+ 2·7	4	0·45	11	- 7	Malin Head ..	1·4	—	17	•	•	•	•	•	•
a Blacksod Point ..	327	53	13th	43	11, 12, 15	50·9	44·4	47·7	+ 2·2	6	0·96	24	- 5	Markree Castle	1·4	- 0·8	17	1	28	46·5	•	48·9	•
p Markree Castle ..	122	56	13th	32	15th	52·6	40·0	46·3	+ 3·8	4	1·51	38	+ 14										
b, East .. { *p* Armagh	196	53	12-14	35	11, 15	50·1	40·1	45·1	+ 2·5	5	0·38	10	- 6	Armagh	2·1	- 0·2	25	2	27	44·8	+0·8	47·6	•
a Donaghadee	101	53	12th	38	15, 16	50·7	40·4	45·6	+ 1·4	2	0·20	5	- 12										
10. IRELAND, S.																							
p Dublin, City	47	55	13th	34	15th	51·6	40·4	46·0	+ 1·0	2	0·42	11	- 5	Dublin City ..	•	•	•	1	30	•	•	•	•
a Birr Castle	175	54	13th	31	15th	51·3	36·6	44·0	+ 1·4	4	0·61	15	- 3	Trinity Coll. ..	•	•	•	3	27	46·3	+1·1	48·9	-0·4
a Kilkenny	212	52	11, 13	30	15th	50·6	35·7	43·2	+ 0·1	6	0·74	19	+ 1	Phœnix Park ..	3·0	+ 0·3	35	4	23	•	•	•	•
a Waterford	20	56	11th	31	15th	52·8	39·6	46·3	+ 1·7	2	0·47	12	- 10	Birr Castle ..	1·5	- 0·9	17	4	25	•	•	•	•
a Seskin, Carrick-on-Suir	541	53	14, 16	35	13th	51·7	38·9	45·3	—	3	0·62	16	—	Seskin	3·7	—	43	3	25	•	•	•	•
a Cahir	198	55	12th	28	15th	51·7	38·7	45·2	+ 1·8	3	0·33	8	—										
a Foynes	50	58	13th	32	15th	52·9	40·1	46·5	+ 1·8	4	0·44	11	- 12										
a Cahirciveen (Val. Obs.)	30	54	13, 14	37	15th	52·1	43·4	47·8	+ 0·8	5	0·40	10	- 22	Cahirciveen ..	2·0	- 0·5	23	0	32	•	•	•	•
a Killarney	174	56	12, 13	36	15th	54·4	43·1	48·8	+ 3·5	5	0·20	5	- 28	Ballinacurra ..	2·3	0·0	26	•	•	•	•	•	•
a Roche's Point	32	54	12th	39	15th	51·4	42·9	47·2	+ 0·7	6	0·29	7	- 18										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	12th	45	12, 14, 15	52·0	46·3	49·2	- 0·2	5	0·25	6	- 12	Scilly	0·1	- 2·7	1	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	55	14th	37	16, 17	53·6	42·9	48·3	0·0	2	0·08	2	- 20	St. Heliers ..	4·2	+ 1·4	47	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	57	12, 15	39	16th	54·9	45·0	50·0	+ 1·7	2	0·07	2	- 22	Guernsey† ..	4·0	+ 1·5	44	0	34	50·1	+1·1	53·2	+0·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 17th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	m/s.	Mid Time. day.	hr.	Highest Gust. Speed. m/s.	Date. d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr	hr.	hr.	hr.								
Deerness (Cup Anr.)** ..	188	16	5	—	—	12, 15, 16	4	108	49	7	0	W. by N.	12	12	6	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	153	105	52	—	—	—	—	20	110	28	0	WNW.	10	14	13	16	17	19	25
Edinburgh	485	39	31	—	—	13	1	83	80	4	0	SW.	11	13	15	18	13	13	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	13	1	52	92	23	0	SW. by S.	11	13	14	16	13	14	15
Paisley	188	81	52	—	—	—	—	14	124	30	0	SW.	9	17	14	18	17	13	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	22	117	29	0	W.	8	13	5	16	13	8	15
South Shields	72	61	12	—	—	—	—	8	109	51	0	WNW.	8	16	12	12	16	11	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	—	—	2	166	0	0	W.	7	14	8	—	—	—	—
Gorleston	52	42	‡	—	—	—	—	8	156	4	0	NNW.	7	11	1	12	11	11	55
Shoeburyness	103	90	‡	—	—	—	—	12	139	17	0	NNW.	8	11	1	13	11	1	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	4	65	99	0	NNW.	7	11	2	12	11	1	45
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	—	78	90	0	—	5	11	2	10	11	2	55
Brighton	281	53	6	—	—	—	—	4	107	57	0	—	5	11	1	10	11	3	55
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	—	58	108	2	NNW.	4	11	3	10	11	0	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	‡	—	—	—	—	23	134	11	0	NW.	10	14	9	—	—	—	—
Southport	80	62	48	—	—	—	—	63	100	5	0	W. by S.	10	14	6	15	14	6	55
Holyhead	60	40	‡	—	—	—	—	77	81	10	0	SW. by S.	11	13	11	15	13	6	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	—	66	102	0	N.	5	12	6	10	11	3	15
Plymouth	185	88	2	—	—	—	—	1	52	115	0	—	6	12	1	7	12	1	25
Lyme Regis	556	61	‡	—	—	—	—	6	22	110	0	—	9	11	3	12	11	3	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	33	86	49	0	W. by N.	9	12	2	—	—	—	—
Quilty	100	40	‡	—	—	11	2	41	95	30	0	—	12	11	14	16	11	13	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	48	94	26	0	WNW.	9	11	21	14	11	21	0
Weaver Pt.	160	30	‡	—	—	—	—	14	53	101	0	—	9	11	22	15	11	22	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	12	2	19	25	122	0	N.	11	12	1	15	12	0	35

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SIXTH WEEK of 1917—November 11th to November 17th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 43°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	33	82·7	78·1	80·4	+ 2·1	27	+ 10	3	− 17	6	+ 1	1·13	28	− 2	1·1	−0·1	14	1017
Eastern.																			
1. SCOTLAND, EAST ...	59	28	82·9	76·7	79·8	+ 2·1	30	+ 14	9	− 17	3	− 1	0·13	3	− 15	1·8	0·0	22	1021
2. ENGLAND, N.E.	56	30	83·2	76·4	79·8	+ 0·9	31	+ 10	11	− 5	1	− 3	0·01	0	− 14	2·5	+0·6	30	1024
3. ENGLAND, EAST ...	53	31	82·3	74·9	78·6	− 0·6	28	+ 3	18	+ 1	3	− 1	0·03	1	− 14	1·9	−0·3	22	1026
4. MIDLAND COUNTIES ...	56	27	82·6	75·2	78·9	+ 0·3	29	+ 8	17	− 4	1	− 3	0·02	1	− 13	1·5	−0·4	17	1027
5. ENGLAND, S.E.	55	26	82·6	75·5	79·1	− 0·8	29	− 2	15	+ 3	1	− 3	0·01	0	− 17	1·8	−0·6	20	1027
Western.																			
6. SCOTLAND, WEST ...	57	28	83·1	77·7	80·4	+ 1·6	30	+ 8	4	− 12	4	0	0·44	11	− 16	1·8	+0·1	21	1024
7. ENGLAND, N.W.	54	29	82 8	77·4	80·1	+ 0·8	28	+ 4	6	− 7	4	0	0·15	4	− 16	2·2	+0·3	26	1026
8. ENGLAND, S.W.	56	26	83·2	76·9	80·1	− 0·2	32	− 1	8	− 2	2	− 2	0·25	6	− 16	1·3	−1·1	15	1028
9. IRELAND, NORTH ...	56	31	83 6	77·9	80·8	+ 1·5	33	+ 9	3	− 11	4	− 1	0·69	17	− 5	1·8	−0·6	21	1024
10. IRELAND, SOUTH ...	58	28	84·2	77·5	80·8	+ 0·7	37	+ 5	5	− 6	4	0	0·43	11	− 12	2·2	−0·3	25	1027
11. ENGLISH CHANNEL ...	57	37	84·9	80·1	82·6	+ 0·2	50	0	0	− 1	3	− 2	0·13	3	− 19	2·8	+0·1	31	1028

THE SEASON (Autumn).—Aggregates, &c., for the Period of 11 Weeks, September 2nd to November 17th, 1917.

0. SCOTLAND, NORTH ...	68	25	83·8	78·3	81·0	− 0·6	428	− 77	95	+ 24	67	+14	19·73	502	+206	2·2	−0·5	20	1004
Eastern.																			
1. SCOTLAND, EAST ...	70	18	84·6	77·3	80·8	− 0·8	457	− 74	140	+ 48	50	+ 6	7·27	184	− 1	3·4	+0·4	32	1007
2. ENGLAND, N.E.	73	26	86·3	79·1	82·6	− 0·2	663	+ 23	67	+ 21	35	− 5	3·82	97	− 54	4·0	+0·6	37	1010
3. ENGLAND, EAST ...	75	24	87·1	79·2	83·0	− 0·5	726	− 9	72	+ 24	37	− 2	5·51	141	− 7	4·6	+0·8	42	1014
4. MIDLAND COUNTIES ...	74	23	86·8	78·9	82·7	− 0·1	686	+ 21	75	+ 6	40	+ 1	6·07	154	− 5	3·6	+0·4	33	1014
5. ENGLAND, S.E.	75	22	87·6	80·0	83·7	− 0·4	781	− 28	45	+ 11	37	− 2	6·15	156	− 31	4·4	+0·5	40	1014
Western.																			
6. SCOTLAND WEST ...	75	25	85·2	79·2	82·1	− 0·4	576	− 27	67	+ 15	60	+16	14·56	369	+ 88	2·7	−0·3	25	1008
7. ENGLAND, N.W. ...	73	25	86·1	80·2	83·0	− 0·2	665	− 11	30	− 4	54	+10	9·97	256	+ 38	3·0	−0·2	27	1012
8. ENGLAND, S.W.	73	25	86·9	80·5	83·6	− 0·3	730	− 46	18	− 8	47	+ 2	10 32	262	+ 16	3·3	−0·4	30	1015
9. IRELAND, NORTH ...	69	27	85·6	79·6	82·5	− 0·3	606	− 32	43	+ 2	63	+14	12·40	314	+ 91	2·6	−0·5	24	1010
10. IRELAND, SOUTH ...	71	22	86·6	80·3	83·4	− 0·1	702	− 32	22	− 11	57	+12	7·81	200	− 29	3·0	−0·5	27	1014
11. ENGLISH CHANNEL ...	77	37	88·0	82·9	85·4	− 0·4	946	− 58	0	− 1	54	+ 7	8·88	224	− 1	4·3	−0·2	39	1017

THE YEAR 1917.—Aggregates, &c., for the Period of 46 Weeks, December 31st, 1916, to November 17th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·7	77·8	80·6	− 0·4	1976	− 71	779	+169	219	+ 5	43·95	1116	+ 28	3·4	0·0	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84 3	76·8	80·4	− 0·8	2092	−177	1024	+315	174	− 8	26 22	669	− 17	3·9	−0·1	31	1012
2. ENGLAND, N.E.	87	5	85·3	78·2	81·6	− 0·6	2662	+ 45	818	+330	161	− 3	21·25	540	− 13	4·2	−0·1	33	1013
3. ENGLAND, EAST ...	93	5	86·2	78·6	82·2	− 0·6	3032	+ 23	858	+316	156	− 3	22 61	578	+ 51	4·7	0·0	37	1014
4. MIDLAND COUNTIES ...	89	4	86·2	78·1	81·9	− 0·6	2907	+ 6	906	+315	157	− 1	25·23	643	+ 55	3·9	−0·3	31	1014
5. ENGLAND, S.E.	90	4	86·4	79·1	82·6	− 0·8	3109	−111	738	+325	148	− 7	26·66	678	+ 82	4·8	−0·1	38	1014
Western.																			
6. SCOTLAND, WEST ...	81	11	84·9	78·2	81·5	− 0·5	2437	− 69	730	+262	186	− 3	37·85	962	− 49	3·9	−0·2	30	1013
7. ENGLAND, N.W.	82	5	85·4	78·8	81·9	− 0·6	2708	− 30	733	+317	172	− 2	31·35	801	+ 33	4·1	−0 1	33	1014
8. ENGLAND, S.W.	86	4	85·8	79·2	82·4	− 0·8	2874	−172	637	+310	168	− 6	33·83	860	+ 28	4·5	−0·2	36	1015
9. IRELAND, NORTH ...	76	7	85·0	78·7	81·8	− 0·6	2484	−126	579	+198	210	+ 1	35·52	905	+ 71	3·6	−0·2	28	1013
10. IRELAND, SOUTH ...	77	9	86·1	79·4	82·6	− 0·6	2900	−114	523	+230	198	+13	32 57	830	− 36	4·0	−0·3	32	1015
11. ENGLISH CHANNEL ...	83	22	86·6	81·2	83·8	− 0·8	3355	−239	347	+241	174	− 6	28·92	734	+ 38	5·3	−0·3	42	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: November 22nd, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 47.

THE FORTY-SEVENTH WEEK OF 1917.
SUNDAY, NOVEMBER 18TH, TO SATURDAY, NOVEMBER 24TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

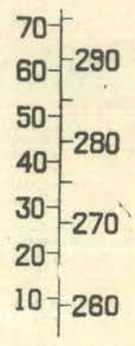
The past week was characterised by the passage of two deep and fast moving depressions. The first appeared early on Monday morning (19th), centred over Iceland. Moving in an east-north-easterly direction it reached the Norwegian coast by the morning of Tuesday (20th). Little rain was measured in the British Isles on the 19th, the precipitation being confined to the extreme northern and north-western districts, but there was fairly general rainfall on Tuesday (20th) as a result of the development of secondaries over these Islands.

The second depression was off the north-west of Scotland at 7 h. on Saturday (24th), and the centre had reached Sweden by 18 h. Heavy rain fell in the north of Scotland, 83mm. at Glencarron, 36mm. at Fort Augustus, 29mm. at Wick, and 24mm. at Stornoway.

Owing to the prevailing Westerly and South-Westerly winds temperature was much above the normal in all parts of the British Isles, the excess in the mean temperature being as much as 5·8 a. at West Linton and over 5 a. at many other stations. The highest individual reading was 289 a. at Crieff on the 21st. Except in the extreme north no minima below 274 a. were observed, the diurnal range being generally small.

Sunshine was generally deficient, but 6·7 hours were recorded at Harrogate on Sunday (18th). Sea temperature was generally above the normal, the excess amounting to above 1 a. at Berwick (England north-east) and Sheephaven (Ireland north-west).

On the 19th there was one report of wind of gale-force, at Stornoway, but at the end of the week Westerly gales and strong winds were general, the highest velocities being recorded in the western and north-western districts.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	4·6	26	2·8	14	1·3	19	1·8	19	3·8	5	0·9	18	3·5	20	3·5
North	8	3·2	0	—	8	1·9	4	2·1	7	2·4	17	4·9	2	1·7	5	1·5
West	25	8·4	28	8·5	27	4·6	25	3·7	28	7·5	25	6·9	28	9·2	21	5·1
East	1	8·2	0	—	0	—	0	—	0	—	0	—	0	—	4	0·8
Calm	2	—	0	—	1	—	3	—	0	—	1	—	0	—	2	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual
	Rainfall ...	Very heavy	Heavy	Moderate	Moderate	Light	Light	Heavy	Moderate	Very light	Light	Light	Very light
	Sunshine ...	Scanty	Scanty	Moderate	Scanty	Moderate	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Very scanty

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 12 weeks from Sept. 2nd, 1917.	Warmth ...	3, 5, 4	3, 5, 4	5, 5, 2	4, 5, 3	4, 7, 1	3, 6, 3	4, 4, 4	4, 5, 3	3, 6, 3	3, 5, 4	4, 5, 3	3, 5, 4
	Rainfall ...	9, 3, 0	4, 4, 4	1, 5, 6	3, 5, 4	3, 4, 5	1, 6, 5	6, 4, 2	4, 4, 4	4, 4, 4	5, 4, 3	2, 6, 4	2, 7, 3
	Sunshine ...	2, 5, 5	5, 5, 2	6, 4, 2	4, 6, 2	5, 4, 3	6, 4, 2	0, 9, 3	4, 4, 4	3, 2, 7	0, 9, 3	1, 6, 5	4, 3, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(14536—19.) Wt. 153—442. 450. 11/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F	°F		in	mm	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands..	54	51	19th	33	24th	46·9	39·4	43·2	+ 1·9	7	1·69	43	+ 18										
a Lerwick..	160	52	19th	40	24th	48·3	43·3	45·8	—	7	2·01	51	+ 28	Deerness ..	0·2	- 0·8	3	•	•	•	•	•	•
p Deerness	51	53	19th	41	18, 19	50·9	43·7	47·3	+ 5·8	7	2·36	60	+ 25	Stornoway ..	0·5	- 0·7	7	•	•	•	•	•	•
a Stornoway	37	53	19th	45	18th	51·6	46·7	49·2	+ 3·7	7	0·83	21	—	Castlebay ..	0·5	—	7	•	•	•	•	•	•
a Castlebay, Barra Isd.																							
b. Mainland.																							
a Wick	81	53	19th	39	19th	50·0	42·1	46·1	+ 5·5	7	2·09	51	+ 33	Fort Augustus..	0·0	- 0·7	0	•	•	•	•	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
p Glencarron	500	52	21st	34	24th	50·3	41·0	45·7	+ 6·1	7	6·85	174	+117										
p Fort Augustus.. ..	68	54	21st	31	24th	51·2	42·7	47·0	+ 6·6	6	2·30	58	+ 31										
p Fort William	171	56	21st	39	24th	51·9	45·1	48·5	+ 7·2	7	3·19	81	+ 31										
1. SCOTLAND, E.																							
a Nairn	82	54	19th	40	19th	52·0	43·7	47·9	+ 8·2	4	1·26	32	+ 20	Nairn	0·6	—	8	•	•	•	•	•	•
p Gordon Castle	101	56	19th	36	24th	52·4	42·0	47·2	+ 6·5	5	1·29	33	+ 19	Gordon Castle..	0·0	—	0	•	•	•	•	•	•
a Aberdeen	46	56	23-24	37	18th	52·9	42·3	47·6	+ 7·0	4	0·68	17	+ 2	Aberdeen ..	0·9	- 0·8	12	0	31	•	•	44·4	-0·5
a Balmoral	930	53	19, 21	38	18th	50·6	42·6	46·6	+ 9·7	3	0·30	23	+ 5	Balmoral ..	•	•	•	0	34	•	•	•	•
p Crieff	432	60	21st	37	24th	54·1	42·6	48·4	+ 8·6	4	1·60	15	- 7	Crathes	1·0	- 0·7	14	2	27	41·8	+1·8	43·1	-1·8
a Dundee	244	55	24th	40	22, 23	53·6	42·9	48·3	+ 8·5	4	0·40	10	- 2	Dundee	1·9	—	25	0	32	41·0	•	•	•
a Leith	18	57	21st	45	18, 23	54·1	46·3	50·2	+ 8·4	4	0·45	11	+ 1	Leith	•	•	•	0	39	•	•	•	•
a Edinburgh	441	56	21st	40	24th	52·0	45·3	48·7	+ 8·0	4	0·45	11	0	Edinburgh ..	0·8	- 1·2	10	0	40	•	•	•	•
a West Linton	769	53	21st	42	23rd	50·1	43·7	46·9	+10·4	4	1·61	41	—	West Linton ..	0·1	—	1	0	37	•	•	•	•
p Marchmont	493	56	21st	40	24th	53·3	44·0	48·7	+ 9·4	3	0·57	14	- 1	Marchmont ..	0·4	- 1·2	5	•	•	•	•	•	•
6. a. SCOTLAND, W																							
a Ford (Argyll)	149	52	18-21, 24	45	20th	51·8	46·2	49·0	—	7	3·64	92	—	Ford (Argyll) ..	•	•	•	0	43	46·2	•	45·9	•
p Glasgow Observatory	180	54	21st	40	24th	52·0	46·3	49·2	+ 8·0	5	1·01	26	+ 5	Glasgow.. ..	0·4	- 0·5	5	0	43	•	•	•	•
p Rothesay	170	52	21, 24	41	24th	50·9	44·7	47·8	+ 5·6	7	2·21	56	+ 28	Rothesay ..	0·2	—	3	0	41	46·6	•	46·7	+1·0
a Kilmarnock	90	54	19th	46	22, 23	52·1	47·7	49·9	+ 9·7	7	1·85	47	+ 26	Kilmarnock ..	0·1	—	1	0	•	46·4	•	46·2	•
a Colmonell	170	54	23rd	46	22, 23	51·6	47·6	49·6	+ 7·7	6	1·23	31	+ 3	Colmonell ..	•	•	•	0	42	•	•	•	•
p Cally, Gatehouse	120	52	21, 22, 24	44	24th	51·0	46·3	48·7	+ 7·9	4	1·26	32	+ 3	Dumfries ..	0·7	—	9	0	32	45·8	•	46·7	•
a Dumfries	160	55	21st	43	22nd	52·1	46·6	49·4 ‖	+ 8·6	5	0·51	13	- 7	Eskdalemuir ..	0·7	—	9	0	39	•	•	•	•
a Eskdalemuir	794	54	21st	42	21, 23	51·0	43·1	47·1	—	6	1·47	37	—										
b. I. OF MAN p Douglas	277	54	21st	44	20th	52·9	46·9	49·9	+ 6·3	6	0·91	23	- 4	Douglas	0·5	- 1·5	6	0	40	•	•	•	•
2. ENGLAND, N.E.																							
a North ..																							
a Alnwick Castle ..	210	58	21st	45	20th	51·9	46·4	50·7	+ 9·6	5	0·53	14	0										
a Tynemouth	71	56	21, 23, 24	43	24th	54·3	45·4	49·9	+ 8·1	3	0·61	13	+ 3	Cockle Park ..	0·6	- 1·5	8	0	38	45·3	+7·0	45·0	+1·5
p Durham	336	56	21st	42	24th	54·1	44·9	49·5	+ 9·0	3	0·36	9	- 1	Durham	0·9	- 0·9	11	0	37	•	•	•	•
p Rounton	249	57	21st	39	20th	54·0	44·0	48·5	+ 8·1	4	0·44	11	0	Rounton	•	•	•	0	31	44·8	•	•	•
a West Witton	605	54	20, 21	43	20th	52·3	44·7	48·5	—	4	0·59	15	—	West Witton ..	•	•	•	0	34	44·9	•	44·8	•
p Scarborough	100	56	21st	44	20th	52·9	46·7	49·8	+ 7·2	6	0·67	17	+ 5	Scarborough† ..	1·2	- 0·5	15	•	•	•	•	48·5	•
p York	56	58	21st	45	18-20, 22	54·7	46·7	50·7	+ 9·2	3	0·41	10	0	York	0·9	- 0·5	11	•	•	45·8	+2·8	47·2	-0·7
b. South ..																							
a Spurn Head	26	55	24th	44	19th	50·7	46·0	48·4	+ 5·5	4	0·57	14	+ 5	Spurn Head ..	0·5	—	6	•	•	•	•	•	•
a Lincoln	58	57	21st	42	18th	53·9	45·9	49·9	+ 8·7	2	0·53	13	+ 3	Lincoln	•	•	•	0	33	45·9	+5·0	47·4	-0·2
a Fulbeck	180	57	21, 24	42	18th	54·0	46·0	50·0	+ 8·7	2	0·39	10	0	Rauceby ..	2·4	+ 0·5	30	•	•	47·0	+5·6	48·1	-0·4
														Skegness ..	2·2	- 0·1	27	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	57	24th	42	18th	52·9	44·7	48·8	+ 6·5	3	0·14	4	- 6	Cromer	1·9	+ 0·1	23	•	•	•	•	•	•
p Little Massingham ..	280	54	22nd	41	18th	51·0	43·0	47·0	+ 6·3	3	0·25	6	- 6	Lit. Massingham	1·4	- 0·2	17	•	•	•	•	•	•
a Yarmouth	13	57	24th	36	18th	53·4	44·0	48·7	+ 6·5	2	0·35	9	- 2	Yarmouth ..	1·7	—	20	0	39	46·9	•	49·7	•
a Norwich	93	56	24th	42	18th	52·7	45·6	49·2	+ 8·0	3	0·43	11	- 1	Norwich ..	1·7	—	20	0	38	45·0	•	•	•
a Geldeston	37	58	21th	39	18th	54·4	43·6	49·0	+ 7·0	4	0·30	8	- 3	Geldeston ..	1·5	- 0·3	18	•	•	•	•	•	•
p Cambridge	41	57	20, 21, 24	41	20th	54·4	45·9	50·2	+ 9·0	2	0·17	4	- 5	Cambridge ..	•	•	•	0	32	46·6	+4·5	48·7	+0·3
a Clacton-on-Sea ..	54	57	21st	34	18th	53·6	44·0	48·8	+ 6·6	3	0·20	5	- 4	Clacton	0·8	- 1·2	10	0	35	46·8	+0·9	49·4	-0·2
a Rothamsted	424	56	20th	39	18th	53·0	45·4	49·2	+ 8·3	4	0·19	5	- 7	Rothamsted ..	1·3	- 0·5	15	0	40	46·1	•	•	•
p Tottenham	51	59	21st	46	18-20	54·9	48·6	51·8	+ 8·3	3	0·16	4	—	Tottenham ..	0·8	—	10	•	•	•	•	49·5	-0·1
4. MIDLAND COUNTIES.																							
a North ..																							
a Harrogate	479	55	21st	43	19, 20, 22	51·9	43·9	47·9	+ 5·4	4	0·74	19	+ 8	Harrogate ..	2·0	+ 0·4	25	0	36	45·3	+3·4	45·6	+0·8
p Sheffield	429	57	24th	45	18, 19	54·0	47·0	50·5	—	3	0·61	15	—	Sheffield	2·1	+ 0·6	26	0	37	45·7	+3·9	47·0	-0·6
p Buxton	987	53	24th	42	19th	50·0	43·9	47·0	+ 7·2	6	1·12	29	+ 9	Buxton	0·1	—	1	0	34	44·4	+4·4	45·6	-1·3
b. East ..																							
a Bawtry	65	59	24th	40	18, 19	55·1	44·1	49·6	+ 6·5	2	0·28	7	- 1	Worksop ..	1·0	- 0·3	12	2	28	45·2	•	46·2	•
a Nottingham	82	58	24th	38	18th	55·0	46·1	50·6	+ 7·2	2	0·16	4	- 4	Nottingham ..	1·3	+ 0·1	16	0	34	46·4	+6·2	46·1	-0·1
p Birmingham, Edgbsn.	535	56	21, 24	44	18, 19	53·1	46·7	49·9	+ 6·3	3	0·18	5	- 5	Birmingham ..	0·9	- 0·3	11	0	37	46·9	+4·5	48·0	-0·2
a Raunds	203	58	24th	38	18th	54·6	44·3	49·5	+ 6·8	2	0·17	4	- 5	Raunds	•	•	•	2	29	46·1	•	51·1	•
p Oxford	208	58	21st	44	18, 19	53·3	47·0	50·2	+ 6·1	3	0·04	1	- 9	Oxford	1·4	- 0·4	17	0	39	•	•	•	•
c. West ..																							
a Cheadle (N. Staffs.) ..	616	54	24th	40	18th	51·6	43·4	47·5	+ 5·2	4	0·60	15	+ 3	Cheadle	•	•	•	0	35	•	•	•	•
p Shrewsbury	191	58	21, 24	43	18th	55·7	47·0	51·4	+ 7·3	3	0·22	6	- 3	Shrewsbury ..	•	•	•	0	38	•	•	•	•
a Hereford§	291	58	24th	35	19th	55·0	42·7	48·9	+ 5·2	0	0·00	0	- 10	Malvern§ ..	1·2	—	14	0	31	46·9	•	47·7	•
a Clifton	229	57	21st	41	18th	53·7	47·6	50·7	+ 5·4	1	0·05	1	- 14	Clifton	0·9	—	11	0	40	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	57	21st	35	18th	53·3	45·1	49·2	+ 8·6	4	0·10	3	- 11	Worthing	1·0	- 1·1	12	0	35	47·6	+4·5	50·6	+0·7
p Salisbury (Wilton) ..	180	58	23rd	42	18, 19	54·4	45·8	50·1	+ 8·7	5	0·25	6	- 10	Marlborough ..	0·8	- 0·7	10	0	37	47·0	•	49·3	•
a Wisley, Surrey ..	150	58	21st	40	18th	54·4	46·6	50·5	+ 8·8	3	0·07	2	- 8	Salisbury	•	•	•	0	39	46·8	•	•	•
a Tunbridge Wells ..	354	57	21, 23	36	18th	53·9	45·1	49·5	+ 7·4	2	0·07	2	- 13	Wisley	1·2	- 0·4	14	0	37	47·2	+4·8	48·8	+0·6
a Margate	53	58	24th	40	18th	53·9	46·4	50·2	+ 6·5	3	0·12	3	- 7	Tunbridge Wells	0·5	- 1·3	6	0	37	47·9	+6·2	49·8	•
														Margate	0·5	- 1·1	6	0	37	48·0	+3·3	50·0	+2·0
a Dungeness	21	58	21st	—	—	54·3	—	—	—	2	0·05	1	- 11	Dover	•	•	•	•	•	•	•	•	•
p St. Leonards	178	59	21, 22	44	18th	54·4	47·9	51·2	+ 7·1	4	0·09	2	- 11	St. Leonards ..	0·5	- 1·6	6	0	36	47·1	•	49·6	•
p Southampton	64	57	20, 24	44	18th	54·0	47·6	50·8	+ 7·1	3	0·07	2	- 12	Southampton ..	1·7	- 0·1	20	0	37	•	•	•	•
a Ventnor	59	59	21st	45	18, 19	54·9	48·0	51·5	+ 5·6	3	0·03	1	- 13	Ventnor	1·7	- 0·4	20	•	•	•	•	•	•
LONDON.																							
p Richmond (Kew Obs.)	18	59	21st	45	18-20	54·0	47·7	50·9	+ 8·6	3	0·12	3	- 7	Richmond ..	1·0	- 0·4	12	0	39	46·2	+3·8	48·4	-0·5
a Westminster	27	59	21st	36	18th	55·8	46·5	51·2	+ 7·7	3	0·13	3	- 6	Westminster ..	0·7	- 0·1	8	0	36	•	•	•	•
ag Greenwich	155	58	21, 24	37	18th	54·7	46·4	50·6	+ 7·2	3	0·13	3	- 10	Greenwich ..	0·9	- 0·5	11	0	39	•	•	•	•
a Hampstead	450	56	21st	42	18-20	52·7	45·1	48·9	—	4	0·13	3	—	Hampstead ..	0·6	—	7	0	32	•	•	•	•
og Camden Square ..	110	59	21st	37	18th	55·0	46·1	50·6	+ 7·8	3	0·12	3	- 10	Camden Square	0·8	- 0·2	10	0	32	•	•	•	•
7. a. ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	52	24th	42	24th	50·4	45·4	47·9	+ 7·0	7	0·66	17	- 4	Aspatria.. ..	0·0	- 1·8	0	0	41	46·4	•	46·9	•
p Newton Rigg	559	54	21st	43	22nd	52·3	45·7	49·0	+ 9·8	5	1·05	27	+ 9	Newton Rigg ..	0·8	- 0·8	10	0	35	45·6	+4·1	45·9	0·0
p Stonyhurst	267	53	23, 24	36	24th	51·4	44·0	47·7	+ 6·6	7	1·58	40	+ 17	Stonyhurst ..	0·0	- 1·4	0	0	33	•	•	•	•
p Blackpool	66	54	24th	47	20-23	51·7	47·4	49·6	+ 7·4	6	0·59	15	- 2	Blackpool ..	0·1	- 1·6	1	0	41	47·7	•	49·1	•
a Southport	37	54	23, 24	47	18, 22-24	52·0	47·3	49·7	+ 7·5	5	0·59	15	- 1	Southport ..	0·1	- 1·6	1	0	41	46·8	+6·8	47·3	+1·6
														Hoylake ..	0·6	- 1·2	7	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	58	24th	45	18, 24	53·9	46·1	50·0	+ 7·1	4	0·40	10	- 3	Liverpool ..	0·4	—	5	0	41	•	•	•	•
a Hawarden Bridge ..	22	59	20, 24	45	18th	56·1	48·4	52·3	+ 9·0	2	0·20	5	- 6	Manchester(City)	0·0	- 0·5	0	0	42	46·7	+5·9	48·7	+0·4
p Manchester (Whit. Pk.)	125	56	24th	45	23, 24	53·4	46·9	50·2	+ 8·1	5	0·79	20	+ 6	Whitworth Park	0·1	- 0·5	1	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	59	24th	48	19, 22	54·4	49·0	51·7	+ 7·1	4	0·35	9	- 7	Llanduduo ..	0·9	- 1·0	11	•	•	•	•	•	•
a Holyhead	10	56	24th	48	18th	54·4	49·3	51·9	+ 6·8	2	0·12	3	- 18	Holyhead ..	0·0		7	0	46	•	•	•	•
a Bettws-y-Coed ..	148	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed.	•	•	0	•	•	•	•	•	•
p Aberdovey	22	54	20, 24	48	18-20	52·3	48·9	50·6	—	5	0·39	10	—	Aberdovey ..	0·1	- 2·0	1	•	•	•	•	•	•

† Earth temperature at 3 ft. § The temperature on the grass refers to Hereford. ‖ Dew.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal			Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	52	21, 24	45	18th	51·0	47·3	49·2	—	6	0·28	7	—	Aberystwyth ..	0·0	- 1·9	0	*	*	*	*	*	*
a Rhayader	757	54	20th	44	18, 19	51·7	46·3	49·0	—	4	0·43	11	—	Rhayader ..	0·5	—	6	0	38	*	*	*	*
a St. Ann's Head	149	54	22, 24	47	18th	52·9	49·0	51·0	+ 5·0	4	0·10	3	- 16	St, Ann's Head	0·3	- 1·6	4	*	*	*	*	*	*
p Cardiff	202	57	21st	44	18, 19	53·0	47·9	50·5	+ 8·3	4	0 13	3	- 17	Cardiff	0·9	—	11	0	37	47·7	+5·6	49·8	+1·5
b, ENGLAND S.W.																							
a Bath	68	57	21, 22, 24	37	18th	54·6	47·0	50·8	+ 8·4	2	0·03	1	- 13	Bath	*	*	*	*	*	47·9	+3·2	50·6	+0·3
a Shaftesbury	722	55	24th	41	19th	51·6	45·9	48·8	+ 7·1	3	0·12	3	- 13	Shaftesbury ..	*	*	*	*	*	47·0	*	49·6	*
a Arlington	613	53	22nd	42	19th	50·9	46·5	48·7	+ 6·0	6	0·68	17	- 11										
a Newquay	190	54	24th	45	19th	52·3	48·3	50·3	+ 3·7	3	0·17	4	- 14	Newquay ..	0·1	- 2·1	1	0	41	51·0	*	52·0	*
a Cullompton	202	57	22, 24	43	19th	54·0	47·9	51·0	+ 8·2	5	0 13	3	- 15	Cullompton ..	0·7	- 1·0	8	0	37	48·6	*	*	*
a Portland Bill	19	57	21st	43	18, 19	54·1	47·9	51·0	+ 4·5	0	0·00	0	- 13	Weymouth ..	*	*	*	*	*	*	*	*	*
p Plymouth	116	57	24th	46	18th	54·3	49·4	51·9	+ 6·5	2	0·10	3	- 16	Plymouth ..	0·9	- 1·2	10	0	44	49·4	+3·8	51·1	*
a Falmouth	167	57	22nd	45	19th	53·9	47·6	50·8	+ 4·5	1	0·06	2	- 23	Falmouth ..	0·4	- 1·9	5	0	44	51·8	*	53·2	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	52	18, 19, 24	45	20, 22, 23	51·3	46·0	48·7	+ 4·5	7	1·14	29	+ 10	Malin Head ..	0·1	—	1	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	52	19, 24	44	20, 23	51·1	46·9	49·0	+ 3·8	6	0·35	9	- 22	Markree Castle	0·1	- 1·5	1	1	30	48·4	*	49·0	*
{ *p* Markree Castle ..	122	56	20, 21, 24	38	20th	54·9	44·7	49·8	+ 7 7	6	0 83	21	- 4										
b, East .. { *p* Armagh	196	55	21st	43	20, 23	53·6	45·9	49·8	+ 7 6	5	0·44	11	- 6	Armagh	0·3	- 1·5	4	0	40	47·4	+5·0	47·7	0·0
{ *a* Donaghadee	101	55	23, 24	46	18, 20, 24	54·0	46·4	50·2	+ 6 5	3	0·40	10	- 8										
10. IRELAND, S.																							
p Dublin, City	47	57	20, 24	47	18th	55·3	49·9	52·6	+ 8·4	3	0 06	2	- 11	Dublin City ..	*	*	*	0	42	*	*	*	*
a Birr Castle	175	54	20, 22, 24	44	18th	53·1	48·0	50·6	+ 8·7	6	0·24	6	- 10	Trinity Coll. ..	*	*	*	0	39	48·7	+4·9	48·8	+0·7
a Kilkenny	212	57	20th	44	19th	54·7	48·6	51·7	+ 9·3	3	0·04	1	- 15	Phœnix Park ..	0 0	- 2·1	0	0	37	*	*	*	*
a Waterford	20	59	20, 24	47	18th	56·1	49·9	53·0	+ 9·1	1	0·04	1	- 18	Birr Castle ..	0·0	- 1 9	0	0	38	*	*	*	*
a Seskin, Carrick-on-Suir	541	57	20, 24	42	19th	53·6	47·1	50·4	—	4	0·09	2	—	Seskin	0·6	—	7	0	35	*	*	*	*
a Cahir	198	59	20th	45	18, 19	55·1	47·9	51·5	+ 8·8	1	0·03	1	—										
a Foynes	50	54	19, 23, 24	48	18, 19, 24	53·0	49·3	51·2	+ 7·2	6	0·78	20	- 1										
a Cahirciveen (Val. Obs.)	30	54	19–21, 24	49	18th	53·6	50·6	52·1	+ 5·7	6	0·28	7	- 21	Cahirciveen ..	0·0	- 1·9	0	0	49	*	*	*	*
a Killarney	174	58	20th	49	19, 24	55·6	50·1	52·9	+ 8·3	5	0·30	8	- 22	Ballinacurra ..	0·5	- 1 3	6	*	*	*	*	*	*
a Roche's Point	32	57	20th	46	24th	54·6	48·1	51·4	+ 5·6	0	0·01	0·2	- 22										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	24th	46	19th	52·4	48·0	50·2	+ 1·5	5	0·11	3	- 14	Scilly	0·2	- 1·8	2	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	57	23rd	35	18th	55·3	47·3	51·3	+ 3·9	2	0·12	3	- 16	St. Heliers ..	0·9	- 1·2	10	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	55	24th	38	18th	54·0	47·3	50·7	+ 3·3	3	0·14	4	- 17	Guernsey† ..	0·6	- 1·2	7	0	33	50·4	+2·7	52·5	+0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 24th, 1917.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.						
	Above Mean Sea Level.	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.			Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Speed.		Mid Time.	Speed.	Date.		
	ft.	ft.	ft.		hr		hr.	hr.	hr.	hr.	hr.		m/s.	day. hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	20, 23	6	17, 19, 20, 22, 23	50	62	46	4	0	WSW.	18	23 3	—	—	—	—
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
Aberdeen	153	105	52	24	1	24	2	40	77	47	1	NW. by W.	18	24 16	32	24	15	20
Edinburgh	485	39	31	—	—	19, 20, 23, 24	40	108	20	0	0	SW. by W.	16	19 14	27	24	11	5
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	23, 24	2	19 to 21, 23, 24	58	69	37	2	0	W. by S.	18	23 15	29	24	13	10
Paisley	188	81	52	—	—	24	9	63	96	0	0	NW.	13	24 14	30	24	9	55
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	23, 24	10	62	73	23	0	W.	13	24 8	29	24	—	—
South Shields	72	61	12	24	4	20, 23, 24	19	71	63	11	0	W. by N.	19	24 15	31	24	14	50
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	— —	—	—	—	—
3. ENGLAND, E.																		
Yarmouth (Cup Anr.) ..	73	60	—	—	—	24	5	48	108	7	0	WSW.	12	24 14	—	—	—	—
Gorleston	52	42	‡	—	—	24	4	51	109	4	0	WSW.	12	24 13	23	24	13	15
Shoeburyness	103	90	‡	—	—	24	9	71	87	1	0	W. by S.	14	24 16	23	24	14	15
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	24	6	47	92	23	0	WSW.	12	24 13	25	24	12	40
5. ENGLAND, S.E.																		
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	35	102	31	0	—	10	24 15	22	24	15	30
Brighton	261	53	6	—	—	24	2	75	73	1	17	—	12	24 16	18	24	10	5
Richmond (Kew Obs.) ..	82	65	22	—	—	24	1	30	103	34	0	WSW.	11	24 15	23	24	15	0
7. ENGLAND, N.W.																		
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	24	7	19 to 24	32	91	38	0	0	W. by N.	36	24 24	—	—	—	—
Southport	80	62	46	24	13	19 to 24	45	99	11	0	0	W. by N.	25	24 24	35	24	23	35
Holyhead	60	40	‡	24	8	19 to 24	45	98	17	0	0	W. by N.	25	24 24	34	24	23	40
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	256	65	24	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
Plymouth	185	88	‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
Lyme Regis	556	61	‡	—	—	21, 23, 24	21	59	45	43	0	—	16	21 6	26	24	23	40
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	24	12	19 to 24	55	69	31	1	0	WSW.	21	24 8	—	—	—	—
Quilty	100	40	‡	24	2	19, 20, 24	25	94	47	0	0	—	19	24 24	27	24	22	20
Cahirciveen (Val. Obs.)	98	41	‡	—	—	24	7	81	68	12	0	W. by S.	12	24 9	22	24	23	40
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—	—
11. ENGLISH CHANNEL																		
Scilly	150	82	‡	—	—	21, 24	24	87	13	44	0	WNW.	17	24 24	22	24	23	40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SEVENTH WEEK of 1917—November 18th to November 24th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	31	83·1	78·7	80·9	+ 3·2	30	+ 16	0	− 23	7	+ 2	3·07	78	+ 44	0·2	−0·8	3	1011
Eastern.																			
1. SCOTLAND, EAST ...	60	36	84·3	79·3	81·8	+ 4·6	41	+ 28	0	− 29	4	0	0·92	23	+ 8	0·9	−0·7	12	1014
2. ENGLAND, N.E.	58	39	85·0	80·7	82·8	+ 4·5	54	+ 37	0	− 19	4	0	0·49	12	+ 1	1·4	−0·5	17	1020
3. ENGLAND, EAST ...	59	34	84·9	80·2	82·6	+ 4·3	50	+ 32	0	− 20	3	− 1	0·24	6	− 5	1·3	−0·4	16	1023
4. MIDLAND COUNTIES ...	59	35	85·2	80·4	82·8	+ 3·2	53	+ 36	0	− 24	2	− 2	0·24	6	− 5	1·4	−0·2	17	1025
5. ENGLAND, S.E.	59	35	85·3	81·2	83·2	+ 4·1	59	+ 36	0	− 15	3	− 1	0·10	3	− 11	1·0	−0·8	12	1026
Western.																			
6. SCOTLAND, WEST ...	55	40	84·0	81·1	82·6	+ 4·2	50	+ 32	0	− 19	6	+ 1	1·58	40	+ 10	0·5	−1·1	6	1019
7. ENGLAND, N.W.	59	36	84·7	81·3	83 0	+ 4·2	56	+ 37	0	− 16	5	+ 1	0·64	16	− 4	0·4	−1·2	4	1024
8. ENGLAND, S.W.	57	37	84·8	81·6	83·2	+ 3·5	59	+ 32	0	− 13	3	− 1	0·18	5	− 16	0·4	−1·5	5	1028
9. IRELAND, NORTH ...	56	38	84·7	80·9	82·8	+ 3·7	54	+ 33	0	− 15	6	+ 1	0·57	14	− 8	0·2	−1·5	3	1021
10. IRELAND, SOUTH ...	59	44	85 6	82 6	84·1	+ 4·4	69	+ 41	0	− 13	3	− 1	0·20	5	− 16	0·1	−1·9	2	1028
11. ENGLISH CHANNEL ...	57	35	85·2	81·6	83·4	+ 1·5	61	+ 17	0	− 2	3	− 2	0·12	3	− 16	0·6	−1·4	7	1031

THE SEASON (Autumn).—Aggregates, &c., for the Period of 12 Weeks, September 2nd to November 24th, 1917.

0. SCOTLAND, NORTH ...	68	25	83·8	78·4	81·0	− 0·3	458	− 61	95	+ 1	74	+16	22·80	580	+250	2·0	−0·5	19	1005
Eastern.																			
1. SCOTLAND, EAST ...	70	18	84·6	77·5	80·9	− 0·4	498	− 46	140	+ 19	54	+ 6	8 19	207	+ 7	3·2	+0·3	31	1007
2. ENGLAND, N.E.	73	26	86·2	79·3	82·6	+ 0·1	717	+ 60	67	+ 2	39	− 5	4·31	109	− 53	3·8	+0·6	35	1011
3. ENGLAND, EAST ...	75	24	86·9	79·3	83·0	0·0	776	+ 23	72	+ 4	40	− 3	5·75	147	− 12	4·3	+0·7	40	1014
4. MIDLAND COUNTIES ...	74	23	86·6	79·0	82·7	+ 0·2	739	+ 57	75	− 18	42	− 1	6·31	160	− 10	3·4	+0·3	32	1015
5. ENGLAND, S.E.	75	22	87·4	80·1	83·7	0·0	840	+ 8	45	− 4	40	− 3	6·25	159	− 42	4·1	+0·4	39	1015
Western.																			
6. SCOTLAND WEST ...	75	25	85·1	79·3	82·1	0·0	626	+ 5	67	− 4	66	+17	16·14	409	+ 98	2·6	−0·3	24	1010
7. ENGLAND, N.W.	73	25	86·0	80·3	83·0	+ 0·2	721	+ 26	30	− 20	59	+11	10·61	272	+ 34	2·8	−0·3	26	1013
8. ENGLAND, S.W.	73	25	86·7	80·6	83·6	0·0	789	− 14	18	− 21	50	+ 1	10 50	267	0	3 0	−0·5	28	1016
9. IRELAND, NORTH ...	69	27	85·5	79·7	82·5	0·0	660	+ 1	43	− 13	69	+15	12·97	328	+ 83	2·4	−0·6	23	1011
10. IRELAND, SOUTH ...	71	22	86·5	80·5	83·4	+ 0·2	771	+ 9	22	− 24	60	+11	8·09	207	− 43	2·7	−0·7	25	1015
11. ENGLISH CHANNEL ...	77	35	87·8	82·8	85·2	− 0·3	1007	− 41	0	− 3	57	+ 5	9·00	227	− 17	4·0	−0·3	37	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 47 Weeks, December 31st, 1916, to November 24th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·7	77·8	80·6	− 0·3	2006	− 55	779	+146	226	+ 7	47·02	1194	+ 72	3·3	0·0	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·3	76·9	80·4	− 0·7	2133	−149	1024	+286	179	− 8	27·14	692	− 9	3·9	0·0	30	1012
2. ENGLAND, N.E.	87	5	85·3	78·3	81·7	− 0·4	2716	+ 82	848	+311	165	− 3	21·74	552	− 12	4·1	−0·1	33	1013
3. ENGLAND, EAST ...	93	5	86·1	78·6	82·2	− 0·5	3082	+ 55	858	+296	159	− 4	22 85	584	+ 46	4·6	−0·1	37	1014
4. MIDLAND COUNTIES ...	89	4	86·1	78·1	82·0	− 0·4	2960	+ 42	906	+291	159	− 3	25·47	649	+ 50	3·9	−0·2	31	1015
5. ENGLAND, S.E.	90	4	86·4	79·2	82·6	− 0·7	3168	− 75	738	+310	151	− 8	26·76	681	+ 71	4·7	−0·1	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·9	78·3	81·5	− 0·4	2487	− 37	730	+243	192	− 2	39·43	1002	− 39	3·8	−0·2	30	1013
7. ENGLAND, N.W.	82	5	85·3	78·8	82·0	− 0·5	2764	+ 7	733	+301	177	− 1	31·99	817	+ 29	4·1	−0·1	32	1014
8. ENGLAND, S.W.	86	4	85·8	79·3	82·4	− 0·7	2933	−140	637	+297	171	− 7	34·01	865	+ 12	4·5	−0·1	35	1015
9. IRELAND, NORTH ...	76	7	85·0	78·8	81·8	− 0·5	2538	− 93	579	+183	216	+ 2	36·09	919	+ 63	3·5	−0·3	28	1013
10. IRELAND, SOUTH ...	77	9	86·1	79·4	82·6	− 0·5	2969	− 73	523	+217	201	+12	32·85	837	− 50	3·9	−0·3	31	1015
11. ENGLISH CHANNEL ...	83	22	86·5	81·2	83·8	− 0·7	3416	−222	347	+239	177	− 8	29·04	737	+ 22	5·2	−0·3	42	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: November 29th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. Vol. XXXIV (*New Series.*) } No. 48.

THE FORTY-EIGHTH WEEK OF 1917.

SUNDAY, NOVEMBER 25TH, TO SATURDAY, DECEMBER 1ST.

Price 6*d.*, *Post free* 7*d.*
Annual Subscription Post Paid £1 10*s.* 0*d.*

I.—GENERAL SUMMARY. [First published in 1878.]

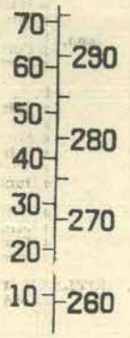
This was a very stormy period, gales being experienced in many localities. On Sunday, November 25th, there was a cold Northerly gale associated with a depression which had crossed the North Sea and was centred over Denmark. During the rest of the week the wind was in the West and the weather mild, whilst depressions were passing in succession to the north of Scotland.

Temperature was low over the country generally at the commencement, many maxima being below 278 a., as low as 274 a. at Balmoral. Frost occurred in many places but it was not severe, 269 a. at West Linton and Marchmont, and 268 a. at Eskdalemuir being the lowest screen-temperatures recorded. A rapid increase followed, many afternoon maxima exceeding 286 a., some reaching 288 a. Warm nights became general, in many cases the temperature did not fall below 283 a. For the night 28th–29th the minima at Dublin was 286 a. For the whole week, therefore, the mean values were everywhere in excess of the normal, by 1 a. in Scotland North, and 3½ a. in the English Midlands. The temperature of the coastal sea water was a little colder than during the preceding week, but generally it was still above the normal.

Precipitation varied greatly. At the beginning and the end snow and hail fell in many districts, but apparently not in any large quantities. During a heavy rainstorm on Monday the falls in the north ranged up to 46mm. at Stonyhurst, 57mm. at Rothesay, and 83mm. at Ford (Argyll). A local fall of about 25mm. occurred on the Kent and Sussex coast on the same day. Ford had another 48mm. on Thursday. The results for the week show that Scotland received considerably more than double the normal, while England North-West and the English Channel had only one-quarter. A thunderstorm visited Blackpool and Stonyhurst on Sunday.

Bright sunshine was above the normal over Eastern Britain, other districts returning a deficiency.

At Fort William, on Friday, a peculiarly ruddy glow overspread the sky to the zenith.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.		Edinburgh.		England, E.		London.		North Wales.		England, S.W.		Dublin.		Ireland, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	7	5·9	19	4·6	17	2·9	21	2·6	19	5·7	9	3·1	23	5·7	20	5·2
North	17	5·4	6	3·9	8	3·6	6	3·2	7	10·9	14	8·1	2	4·7	8	7·2
West	24	8·4	28	8·6	28	5·7	28	4·6	28	9·6	24	7·1	28	11·5	23	6·6
East	2	3·6	0	—	0	—	0	—	0	—	0	—	0	—	1	0·6
Calm	1	—	0	—	0	—	0	—	0	—	0	—	0	—	0	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

	Districts of the British Isles.												
	Extreme N.	Eastern Section.					Western Section.						Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Very unusual	Very unusual	Unusual	Very unusual	Unusual	Unusual	Very unusual	Unusual	Very unusual	Unusual	Moderate
Rainfall ...	Very heavy	Very heavy	Moderate	Moderate	Moderate	Moderate	Very heavy	Moderate	Light	Heavy	Light	Light
Sunshine ...	Scanty	Abundant	Moderate	Abundant	Abundant	Abundant	Scanty	Scanty	Scanty	Very scanty	Scanty	Moderate

THE AUTUMN SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

AUTUMN. 13 weeks from Sept. 2nd, 1917. Warmth ...	4, 5, 4	4, 5, 4	6, 5, 2	5, 5, 3	5, 7, 1	4, 6, 3	5, 4, 4	5, 5, 3	4, 6, 3	4, 5, 4	5, 5, 3	3, 6, 4
Rainfall ...	10, 3, 0	5, 4, 4	1, 6, 6	3, 6, 4	3, , 5	1, 7, 5	7, 4, 2	4, 5, 4	4, 4, 5	6, 4, 3	2, 6, 5	2, 7, 4
Sunshine ...	2, 5, 6	6, 5, 2	6, 5, 2	5, 6, 2	6, 4, 3	7, 4, 2	0, 9, 4	4, 4, 5	3, 2, 8	0, 9, 4	1, 6, 6	4, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(14678—19.) Wt. 153—442. 450. 12/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																					
a. Islands .. a Lerwick	54	47	26, 28	27	25th	43·4	33·1	38·3	- 2·9	7	2·36	60	+ 30								
p Deerness	160	50	28th	30	26th	45·4	36·4	40·9	—	7	2·36	60	+ 33	Deerness	0·0	- 0·9	0	•	•	•	•	•	•
a Stornoway	51	52	26-28	32	26th	46·3	37·6	42·0	+ 0·7	7	2·48	63	+ 23	Stornoway	0·4	- 0·6	6	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	53	28th	32	26th	49·4	40·9	45·2	+ 0·4	7	2·20	56	—	Castlebay	0·4	—	6	•	•	•	•	•	•
b. Mainland. a Wick	81	52	28th	32	26th	46·7	37·4	42·1	+ 1·7	7	2·09	53	+ 32								
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—								
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—								
p Fort Augustus	68	54	27, 29	30	26th	51·4	38·0	44·7	+ 4·7	7	3·85	98	+ 64	Fort Augustus	0·1	- 0·5	1	•	•	•	•	•	•
p Fort William	171	54	29th	32	25, 26	49·7	38·6	44·2	+ 3·1	7	6·79	172	+112								
1. SCOTLAND, E.																					
a Nairn	82	53	26-28	30	26th	48·1	36·1	42·1	+ 2·5	7	2·60	66	+ 53	Nairn	0·2	—	3	•	•	•	•	•	•
p Gordon Castle	101	56	28th	31	1st	50·0	36·6	43·3	+ 2·7	7	2·35	60	+ 45	Gordon Castle	0·0	—	0	•	•	•	•	•	•
a Aberdeen	46	60	28th	31	26, 27	51·1	37·6	44·4	+ 3·9	7	1·10	28	+ 11	Aberdeen	1·7	+ 0·4	24	2	28	•	•	•	•
a Balmoral	930	56	28th	27	26th	45·7	36·1	40·9	+ 4·1	7	1·63	41	+ 22	Balmoral	•	•	•	2	25	•	•	•	•
p Crieff	432	57	28th	28	26th	51·9	37·6	44·8	+ 5·1	7	1·92	49	+ 24	Crathes	1·7	+ 0·4	24	2	24	41·3	+2·3	43·1	0·0
a Dundee	244	58	27th	28	26th	52·1	37·9	45·0	+ 5·3	5	1·26	32	+ 18	Dundee	2·3	—	32	3	22	41·9	•	•	•
a Leith	18	57	28th	31	26, 27	52·6	41·4	47·0	+ 5·2	5	0·35	9	- 2	Leith	•	•	•	1	26	•	•	•	•
a Edinburgh	441	55	28-30	30	26th	51·6	41·3	46·5	+ 6·8	6	0·38	10	- 2	Edinburgh	1·6	+ 0·1	22	2	26	•	•	•	•
a West Linton	769	53	28, 29	25	26th	49·0	37·6	43·3	+ 6·8	7	1·57	40	—	West Linton	0·9	—	12	2	13	•	•	•	•
p Marchmont	498	58	28th	25	26th	49·4	39·3	44·4	+ 5·2	3	0·31	8	- 8	Marchmont	1·6	+ 0·3	22	•	•	•	•	•	•
6. a. SCOTLAND, W.																					
a Ford (Argyll)	149	54	28th	30	26th	49·8	40·8	45·3	—	7	7·27	185	—	Ford (Argyll)	•	•	•	2	23	45·5	•	46·4	•
p Glasgow Observatory	180	55	28th	32	26, 1	50·9	41·7	46·3	+ 5·0	5	2·65	67	+ 46	Glasgow	0·9	+ 0·3	12	2	23	•	•	•	•
p Rothesay	170	53	29, 30	31	26th	50·7	40·0	45·4	+ 3·1	7	5·02	128	+100	Rothesay	0·8	—	11	1	24	46·0	•	46·6	+1·7
a Kilmarnock	90	54	28th	30	26th	50·3	41·6	46·0	+ 5·6	7	3·16	80	+ 59	Kilmarnock	0·6	—	8	•	•	45·1	•	46·4	•
a Colmonell	170	56	29th	35	27th	51·0	43·9	47·5	+ 5·4	7	1·85	47	+ 18	Colmonell	•	•	•	0	32	•	•	•	•
p Cally, Gatehouse	120	54	28, 29	30	26th	50·3	42·6	46·5	+ 5·6	6	1·80	46	+ 17	Dumfries	0·9	—	12	2	18	45·1	•	46·8	•
a Dumfries	160	55	27-30	29	26th	52·4	42·3	47·4	+ 6·6	7	0·69	18	- 2	Eskdalemuir	1·3	—	18	2	18	•	•	•	•
a Eskdalemuir	794	54	28th	23	26th	48·6	37·7	43·2	—	6	1·78	45	—										
b. I. OF MAN p Douglas	277	55	28, 29	35	25th	52·3	44·0	48·2	+ 4·5	6	1·20	31	+ 4	Douglas	0·5	- 1·0	6	0	31	•	•	•	•
2. ENGLAND, N.E.																					
a North .. a Alnwick Castle	210	57	27th	29	26th	52·1	41·4	46·8	+ 6·0	4	0·27	7	- 13								
a Tynemouth	71	58	28, 29	30	26, 27	52·6	42·4	47·5	+ 6·0	1	0·08	2	- 13								
p Durham	336	57	29th	28	26th	52·4	41·9	47·2	+ 7·1	1	0·04	1	- 13	Cockle Park	1·8	+ 0·1	24	3	24	44·0	+5·7	45·2	+2·8
p Rounton	249	57	27th	28	26th	52·0	41·6	46·8	+ 6·8	3	0·15	4	- 11	Durham	1·7	+ 0·2	22	2	24	•	•	•	•
a West Witton	605	54	27, 29	28	26th	49·7	40·6	45·2	—	6	0·41	10	—	Rounton	•	•	•	3	22	44·7	•	•	•
p Scarborough	100	56	25, 28, 30	35	26th	53·9	44·1	49·0	+ 6·9	4	1·00	25	+ 9	West Witton	•	•	•	3	25	44·4	•	45·1	•
p York	56	57	28, 29	30	26th	52·6	42·9	47·8	+ 6·7	3	0·29	7	- 8	Scarborough†	0·9	- 0·4	12	•	•	•	•	48·0	•
														York	1·1	+ 0·1	14	•	•	46·0	+4·1	47·4	+0·9
b. South .. a Spurn Head	26	56	29th	34	26th	51·1	41·9	46·5	+ 4·1	3	0·63	16	+ 3	Spurn Head	0·1	—	1	•	•	•	•	•	•
a Lincoln	58	57	27, 28	30	26th	52·4	41·8	47·1	+ 6·3	2	0·37	9	- 5	Lincoln	•	•	•	2	24	44·9	+4·9	47·6	+1·4
a Fulbeck	180	57	28, 29	27	26th	53·7	40·4	47·1	+ 6·2	4	0·33	8	- 7	Rauceby	2·4	+ 0·9	30	•	•	45·7	+4·7	48·3	+1·0
														Skegness	2·8	+ 1·0	35	•	•	•	•	•	•
3. ENGLAND, E.																					
p Cromer	196	56	29th	31	27th	53·0	40·6	46·8	+ 4·9	3	0·47	12	- 1	Cromer	3·2	+ 1·7	41	•	•	•	•	•	•
p Little Massingham	280	55	25th	29	26, 27	51·3	39·3	45·3	+ 4·9	2	0·88	22	+ 5	Lit. Massingham	2·1	+ 0·8	26	•	•	•	•	•	•
a Yarmouth	13	56	27-29	32	27th	52·4	42·4	47·4	+ 5·6	3	0·87	22	+ 7	Yarmouth	2·8	—	35	1	30	46·3	+5·2	49·0	+2·1
a Norwich	93	56	27th	33	26, 27	51·9	42·6	47·3	+ 6·4	4	0·85	24	+ 6	Norwich	3·0	—	38	2	28	44·4	•	•	•
a Geldeston	37	58	27th	30	26th	53·4	40·6	47·0	+ 5·3	3	0·75	19	+ 4	Geldeston	2·8	+ 1·2	35	•	•	•	•	•	•
p Cambridge	41	58	29th	30	26th	52·1	41·1	46·6	+ 5·6	2	0·42	11	- 1	Cambridge	2·6	+ 1·1	33	2	24	46·0	+4·5	48·9	+1·8
a Clacton-on-Sea	54	56	27, 28	31	26, 27	51·4	41·4	46·4	+ 4·5	3	0·79	20	+ 8	Clacton	2·2	+ 0·5	27	1	28	46·0	+1·0	49·5	+1·1
a Rothamsted	424	56	27th	29	26th	50·7	40·4	45·6	+ 4·8	3	0·33	8	- 9	Rothamsted	2·0	+ 0·5	25	1	24	45·6	•	•	•
p Tottenham	51	57	27th	33	26th	52·3	42·1	47·2	+ 4·7	2	0·60	15	—	Tottenham	2·1	—	26	•	•	•	•	49·8	+1·6
4. MIDLAND COUNTIES.																					
a North .. a Harrogate	479	54	28th	28	26th	50·0	40·6	45·3	+ 5·3	6	1·61	41	+ 24	Harrogate	1·6	+ 0·2	21	1	25	44·7	+3·8	45·7	+1·3
p Sheffield	429	57	28, 29	31	26th	52·7	43·3	48·0	—	5	0·47	12	—	Sheffield	2·5	+ 1·2	32	1	24	45·2	+4·5	47·1	+0·7
p Buxton	987	52	29, 30	27	26th	48·0	39·7	43·9	+ 4·9	6	1·54	39	+ 7	Buxton	0·7	—	9	2	23	43·8	+4·4	45·6	-0·3
b. East .. a Bawtry	65	59	29th	29	26th	54·3	42·6	48·5	+ 7·9	3	0·07	2	- 10	Worksop	2·2	+ 1·0	28	2	20	44·8	•	46·6	•
a Nottingham	82	58	29th	31	27th	52·9	42·3	47·6	+ 6·6	3	0·16	4	- 9	Nottingham	1·7	+ 0·6	22	2	20	45·3	+5·7	46·6	+1·8
p Birmingham, Edgbsn.	535	55	27-29	30	26th	51·7	41·7	46·7	+ 5·6	5	0·61	15	0	Birmingham	1·6	+ 0·5	20	2	19	46·1	+4·4	48·1	+0·7
a Raunds	203	58	29th	27	26th	52·7	39·9	46·3	+ 6·1	3	0·36	9	- 5	Raunds	•	•	•	2	18	46·4	•	50·6	•
p Oxford	208	56	27th	29	26th	51·4	41·9	46·7	+ 5·0	1	0·08	2	- 12	Oxford	1·8	+ 0·2	22	1	19	•	•	•	•
c. West .. a Cheadle (N. Staffs.)	646	56	29th	28	26th	51·0	40·4	45·7	+ 5·8	5	0·96	24	+ 5	Cheadle	•	•	•	1	20	•	•	•	•
p Shrewsbury	191	59	29th	31	26th	55·6	42·3	49·0	+ 7·1	4	0·31	8	- 5	Shrewsbury	•	•	•	1	26	•	•	•	•
a Hereford§	291	—	—	—	—	—	—	—	—	—	—	—	—	Malvern§	2·0	—	25	•	•	46·0	•	48·2	•
a Clifton	229	54	27, 29	34	26th	51·7	43·7	47·7	+ 4·7	4	0·10	3	- 21	Clifton	1·1	—	14	1	29	•	•	•	•
5. ENGLAND, S.E.																					
a Marlborough	424	53	28th	27	26th	50·9	40·0	45·5	+ 5·0	1	0·12	3	- 15	Worthing	3·0	+ 1·1	36	1	23	47·9	+4·8	50·6	+1·9
p Salisbury (Wilton)	180	56	27, 29	28	26th	52·9	39·6	46·3	+ 5·0	2	0·04	1	- 20	Marlborough	1·1	- 0·2	14	1	18	46·7	•	49·4	•
a Wisley, Surrey	150	55	27, 28	29	26th	52·4	41·7	47·1	+ 5·5	1	0·30	8	- 5	Salisbury	•	•	•	1	24	47·1	•	•	•
a Tunbridge Wells	354	56	27, 28	30	26th	52·7	41·4	47·1	+ 5·2	3	0·89	23	+ 4	Wisley	2·3	+ 0·9	28	1	17	47·0	+4·9	49·0	+1·9
a Margate	53	57	28, 29	34	26, 27	53·0	43·9	48·5	+ 5·1	2	0·67	17	+ 4	Tunbridge Wells	1·9	+ 0·3	23	1	22	47·5	+6·0	49·8	•
a Dungeness	21	56	26, 27	—	—	53·6	—	—	—	2	1·10	28	+ 13	Margate	2·4	+ 0·9	30	0	31	47·2	+3·1	50·0	+3·0
p St. Leonards	178	57	27th	31	26th	52·1	43·0	47·6	+ 3·8	2	0·86	22	+ 5	Dover	•	•	•	•	•	•	•	•	•
p Southampton	64	56	27, 28	30	26th	53·1	42·7	47·9	+ 4·3	1	0·09	2	- 17	St. Leonards	3·1	+ 1·2	37	1	27	47·0	•	49·7	•
a Ventnor	59	58	27th	31	26th	53·7	43·7	48·7	+ 3·0	4	0·41	10	- 8	Southampton	2·2	+ 0·6	27	1	18	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	56	27th	32	26th	52·0	42·3	47·2	+ 5·0	2	0·46	12	0	Ventnor	3·0	+ 1·1	36	•	•	•	•	•	•
a Westminster	27	57	27th	33	26th	54·1	43·4	48·8	+ 5·5	2	0·56	14	+ 2	Richmond	2·0	+ 0·7	25	1	23	46·2	+4·3	48·4	+0·7
ag Greenwich	155	57	27th	32	26th	53·0	42·9	48·0	+ 5·4	2	0·61	15	+ 2	Westminster	1·8	+ 1·1	22	2	27	•	•	•	•
a Hampstead	450	55	27th	28	26th	51·0	40·2	45·6	—	2	0·04	14	—	Greenwich	1·9	+ 0·6	23	2	25	•	•	•	•
ag Camden Square	110	57	27th	31	26th	53·1	42·3	47·7	+ 5·4	2	0·62	16	+ 3	Hampstead	1·9		23	3	19	•	•	•	•
														Camden Square	2·0	+ 1·2	26	1	27	•	•	•	•
7. a. ENGLAND, N.W.																					
f Aspatria (Mealsgate)	487	53	29th	27	26th	50·1	39·9	45·0	+ 4·2	7	1·00	25	- 2	Aspatria	0·3	- 1·1	4	2	22	45·5	•	47·0	•
p Newton Rigg	558	55	28, 29	27	26th	51·9	41·6	46·8	+ 7·6	7	1·35	34	+ 10	Newton Rigg	1·0	- 0·3	13	3	22	45·3	+4·8	46·1	+1·5
p Stonyhurst	377	54	28th	30	26th	50·3	41·7	46·0	+ 5·0	6	2·39	61	+ 32	Stonyhurst	0·8	- 0·3	10	1	26	•	•	•	•
p Blackpool	66	52	28, 29	33	26, 27	49·7	42·9	46·3	+ 4·2	7	1·24	31	+ 10	Blackpool	0·7	- 0·7	9	1	22	47·2	•	49·1	•
a Southport	37	54	28, 29	32	26th	50·6	43·0	46·8	+ 4·7	6	1·01	26	+ 6	Southport	0·7	- 0·6	9	1	24	45·4	+5·9	47·5	+3·1
a Liverpool (Bidston)	188	57	28, 29	36	26th	52·3	44·6	48·5	+ 5·7	4	0·59	15	- 1	Hoylake	1·0	- 0·5	13	•	•	•	•	•	•
a Hawarden Bridge	22	58	28th	35	26th	53·7	45·4	49·6	+ 6·3	3	0·39	10	- 4	Liverpool	1·1	—	11	0	31	•	•	•	•
p Manchester (Whit. Pk.)	126	57	29th	31	26th	52·4	42·9	47·7	+ 5·6	5	1·43	36	+ 18	Manchester (City)	0·2	- 0·2	3	1	23	46·1	+5·8	48·3	+1·4
														Whitworth Park	0·3	- 0·2	4	•	•	•	•	•	•
b. NORTH WALES.																					
p Llandudno	16	57	28, 29	38	25th	54·4	46·0	50·2	+ 5·6	5	0·74	19	- 1	Llandudno	0·7	- 0·9	9	•	•	•	•	•	•
a Holyhead	14	55	28th	37	26th	51·6	45·1	48·4	+ 3·3	4	0·65	16	- 10	Holyhead	0·4	-	5	0	34	•	•	•	•
p Bettws-y-Coed	148	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed.	•	•	•	0	•	•	•	•	•
p Aberdovey	22	54	27th	37	26th	51·1	46·7	48·9	—	4	0·99	25	—	Aberdovey	0·2	- 1·4	3	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
8. *a*, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in	mm	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	52	26-30	38	26th	50·6	44·9	47·8	—	6	0·91	23	—	Aberystwyth ..	0·3	- 1·3	4	*	*	*	*	*	*
a Rhayader	757	54	29th	32	26th	49·6	42·3	46·0	—	6	1·00	25	—	Rhayader ..	1·3	—	16	1	28	*	*	*	*
a St. Ann's Head	149	54	27th	40	26th	51·3	46·1	48·7	+ 2·9	3	0·33	9	- 15	St, Ann's Head	1·6	0·0	20	*	*	*	*	*	*
p Cardiff	202	54	29th	33	26th	52·1	43·9	48·0	+ 5·9	7	0·41	10	- 16	Cardiff	1·5	—	19	1	25	48·0	+5·9	49·9	+2·7
b, ENGLAND, S.W.																							
a Bath	66	55	29th	33	26th	52·9	43·3	48·1	+ 5·9	2	0·04	1	- 17	Bath	*	*	*	*	*	48·4	+4·4	50·6	+1·6
a Shaftesbury	722	53	27th	30	26th	49·7	39·0	44·4	+ 3·1	1	0·02	0·4	- 19	Shaftesbury ..	*	*	*	*	*	46·5	*	49·3	*
a Arlington	613	52	27th	35	26th	49·7	42·7	46·2	+ 3·8	6	0·57	14	- 21										
a Newquay	190	54	28th	40	26th	51·4	45·7	48·6	+ 2·1	6	0 15	4	- 19	Newquay ..	1·1	- 0·8	13	0	35	50·3	*	52·0	*
a Cullompton	202	57	29th	34	26th	53·3	42·6	48·0	+ 5·4	5	0 21	5	- 17	Cullompton ..	1·3	- 0 2	16	1	26	48·5	*	*	*
a Portland Bill	19	55	27th	42	27th	53·0	46·7	49·9	+ 3·7	3	0·03	1	- 15	Weymouth ..	1·9	—	23	*	*	*	*	*	*
p Plymouth	116	55	27, 28	37	26th	52·7	45·9	49·3	+ 4·0	6	0·11	3	- 21	Plymouth ..	1·5	- 0·3	18	1	29	48·7	+3·2	51·4	*
a Falmouth	167	56	28th	39	27th	52·0	44·9	48·5	+ 2·3	4	0·12	3	- 28	Falmouth ..	1·9	- 0·1	23	0	34	51·3	*	52·9	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	55	28th	36	25, 27	50·1	42·9	46·5	+ 2·8	7	2·40	61	+ 43	Malin Head ..	0·1	—	1	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	52	29, 30	33	26th	49·1	43·0	46·1	+ 1·2	7	0·87	22	- 9	Markree Castle	0·5	- 0·8	7	1	29	47·5	*	49·0	*
{ *p* Markree Castle ..	122	56	28-30	34	25th	53·7	44·3	49·0	+ 7·3	7	1·71	43	+ 18										
b, East .. { *p* Armagh	196	56	28th	31	26th	52·6	42·6	47·6	+ 6·0	7	0·82	21	+ 5	Armagh	0·4	- 1·0	5	1	24	47·1	+5·4	48·1	+1·5
{ *a* Donaghadee	101	57	28, 29	30	25th	52·4	42 9	47·7	+ 4·6	5	0·97	25	+ 8										
10. IRELAND, S.																							
p Dublin, City	47	58	29th	33	26th	54·1	44·7	49·4	+ 5 6	6	0·23	6	- 8	Dublin City ..	*	*	*	1	29	*	*	*	*
a Birr Castle	175	56	29th	31	26th	51·6	43·0	47·3	+ 5 7	7	0·45	11	- 6	Trinity Coll. ..	*	*	*	1	25	48·3	+5·4	49·1	+2·0
a Kilkenny	212	59	29th	30	26th	52·0	42·7	47·4	+ 5·4	5	0·20	5	- 13	Phœnix Park ..	?0·8	- 0·9	10	2	25	*	*	*	*
a Waterford	20	57	27th	32	26th	53·3	43·3	48·3	+ 4·6	2	0·09	2	- 20	Birr Castle ..	0·8	- 0 8	10	1	25	*	*	*	*
a Seskin, Carrick-on-Suir	541	56	28, 29	31	26th	52·9	42·1	47·5	—	3	0 11	3	—	Seskin	2·0	—	25	2	26	*	*	*	*
a Cahir	199	56	28, 29	30	26th	50·9	42·0	46·5	+ 4·2	4	0·35	9	—										
a Foynes	50	57	29th	35	26th	51·6	44·7	48·2	+ 4 4	5	0·52	13	- 11										
a Cahirciveen (Val. Obs.)	30	58	29th	39	26th	52·3	46·9	49·6	+ 3·4	5	0·30	8	- 25	Cahirciveen ..	0·8	- 0·7	10	0	37	*	*	*	*
a Killarney	174	58	27, 29	36	28th	52·9	45·5	49·2	+ 4·8	6	0·47	12	- 23	Ballinacurra ..	1·1	- 0·4	14	*	*	*	*	*	*
a Roche's Point	32	57	27th	35	26th	52·0	44·7	48·4	+ 2·8	6	0·32	8	- 18										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	28th	41	27th	52·0	46·1	49·1	+ 0·9	6	0·15	4	- 19	Scilly	2·5	+ 0·6	30	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	56	27, 28	40	26th	54·1	46·3	50·2	+ 3·5	4	0·30	8	- 17	St. Heliers ..	1·4	- 0·5	17	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	56	28th	42	26, 27	53·1	46·3	49·7	+ 3·0	4	0·24	6	- 21	Guernsey† ..	1·4	- 0·3	17	0	37	50·1	+2·8	52·3	+1·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 1st, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.	Date.		
													m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.								
Deerness (Cup Anr.)** ..	188	16	5	25	7	25 to 28	57	58	33	13	0	NNW.	21	25	10	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	27	1	52	66	27	22	—	11	27	12	27	27	11	45
Aberdeen	153	105	52	1	2	25, 27, 1	30	60	58	18	0	WNW.	20	1	23	33	1	23	30
Edinburgh	485	39	31	—	—	26 to 30, 1	62	91	15	0	0	WSW.	16	28	24	27	26	15	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	27, 28, 30, 1	10	25 to 30, 1	115	29	12	2	0	WSW.	19	28	30	31	27	2	30
Paisley	188	81	52	—	—	28, 1	4	115	48	1	0	NW. by N.	12	1	18	28	1	22	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	28	2	125	41	0	0	SW. by W.	11	28	12	22	1	23	15
South Shields	72	61	12	—	—	25, 27, 28	11	83	69	5	0	W. by N.	14	27	10	22	25	2	45
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—								
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	—	—	25, 27, 1	14	122	32	0	0	WNW.	13	25	3	—	—	—	—
Gorleston	52	42	‡	—	—	25 to 27, 1	15	118	35	0	0	SW. by W.	13	26	22	24	25	2	50
Shoeburyness	103	90	‡	—	—	25 to 27, 1	25	114	29	0	0	W. by N.	16	25	9	28	25	9	5
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	25, 1	10	99	57	2	0	W. by N.	13	25	4	26	25	3	30
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡‡	—	—	26	1	68	99	0	0	—	11	24	21	22	25	4	45
Brighton	201	53	6	—	—	25	10	105	47	0	6	—	13	25	1	25	25	9	20
Richmond (Kew Obs.)..	82	65	22	—	—	25	1	55	112	0	0	W. by N.	11	25	4	27	25	4	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	25 to 27	9	3 6	19	4	0	W.	17	25	3	27	25	2	55
Fleetwood (Cup Anr.) ..	109	44	—	25 to 30, 1	26	25 to 30, 1	61	75	6	0	0	W. by N.	29	25	2	—	—	—	—
Southport	80	62	48	25, 27, 29, 1	39	25 to 30, 1	103	18	8	0	0	W.	27	25	3	38	25	0	5
Holyhead	60	40	‡	25, 1	32	25 to 30, 1	83	53	0	0	0	W. by N.	25	25	2	36	25	4	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	26	1	25 to 27, 1	29	98	38	2	0	WSW.	17	26	19	28	25	0	35
Plymouth	185	88	2	—	—	—	—	74	88	6	0	—	10	26	19	20	25	24	0
Lyme Regis	556	61	‡	25, 27	3	25 to 27, 1	37	75	41	12	0	—	18	25	4	26	25	4	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	25 to 29, 1	21	25 to 30, 1	96	47	4	0	0	WSW.	20	23	24	—	—	—	—
Quilty	100	40	‡‡	25, 1	12	25 to 30, 1	89	61	6	0	0	—	20	25	1	32	25	0	15
Cahirciveen (Val. Obs.)	98	41	‡‡	—	—	25, 26, 29, 30, 1	31	122	10	1	4	WNW.	14	1	8	25	25	9	0
Weaver Pt.	160	30	‡	—	—	25, 26, 30, 1	14	87	64	3	0	—	13	1	11	24	25	0	5
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	25	5	25 to 27, 1	59	37	66	1	0	NW.	19	25	6	26	25	6	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-EIGHTH WEEK of 1917—November 25th to December 1st, 1917.

DISTRICTS (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	27	81·6	75·7	78·7	+ 1·1	24	+ 12	14	− 10	7	+ 2	3·51	89	+ 50	0·2	−0·7	2	1000
Eastern.																			
1. SCOTLAND, EAST ...	60	25	82·8	76·2	79·6	+ 2·4	30	+ 18	12	− 18	6	+ 2	1·48	38	+ 21	1·5	+0·3	21	1002
2. ENGLAND, N.E.	58	27	84·4	78·6	81·5	+ 3·3	37	+ 22	0	− 20	3	− 1	0·35	9	− 6	1·8	+0·4	23	1009
3. ENGLAND, EAST ...	58	29	84·2	78·1	81·1	+ 2·9	36	+ 19	2	− 19	3	− 1	0·66	17	+ 2	2·5	+1·0	31	1014
4. MIDLAND COUNTIES ...	59	27	84·3	78·4	81·4	+ 3·5	37	+ 21	1	− 23	4	0	0·47	12	− 5	1·8	+0·4	22	1016
5. ENGLAND, S.E.	58	27	84·4	78.6	81·5	+ 2·4	37	+ 15	0	− 15	2	− 2	0·49	13	− 5	2·3	+0·8	29	1018
Western.																			
6. SCOTLAND, WEST ...	56	29	83·6	78·6	81·1	+ 2·5	32	+ 15	0	− 18	7	+ 2	2·96	75	+ 45	0·7	−0·4	9	1007
7. ENGLAND, N.W.	58	27	84·1	79 3	81·7	+ 2·9	39	+ 20	0	− 14	5	0	1·07	27	+ 3	0·7	−0·6	9	1014
8. ENGLAND, S.W.	57	30	83·9	79·5	81·7	+ 2·1	40	+ 15	0	− 12	4	− 1	0·28	7	− 19	1·3	−0·4	16	1020
9. IRELAND, NORTH ...	57	30	83·9	79·2	81·6	+ 2·7	38	+ 18	0	− 15	7	+ 2	1·20	30	+ 8	0·5	−0·9	6	1010
10. IRELAND, SOUTH ...	59	30	84·3	79·8	82·1	+ 2·5	44	+ 17	0	− 13	5	0	0·33	8	− 16	0·9	−0·7	11	1020
11. ENGLISH CHANNEL ...	56	40	84·7	80·9	82·8	+ 1·2	54	+ 14	0	− 2	5	0	0·23	6	− 19	1·8	−0·1	21	1023

THE SEASON (Autumn).—Aggregates, &c., for the Period of 13 Weeks, September 2nd to December 1st, 1917.

0. SCOTLAND, NORTH ...	68	25	83·6	78·2	80·8	− 0·2	482	− 49	109	− 9	81	+18	26·31	669	+300	1·9	−0·4	18	1005
Eastern.																			
1. SCOTLAND, EAST ...	70	18	84·4	77·4	80·8	− 0·2	528	− 28	152	+ 1	60	+ 8	9·67	245	+ 28	3·1	+0·3	30	1007
2. ENGLAND, N.E.	73	26	86·1	79·2	82·6	+ 0·5	754	+ 82	67	− 18	42	− 6	4·66	118	− 59	3·6	+0·5	35	1011
3. ENGLAND, EAST ...	75	24	86·7	79·2	82·8	+ 0·1	812	+ 42	74	− 15	43	− 4	6·41	164	− 10	4·2	+0·8	40	1014
4. MIDLAND COUNTIES ...	74	23	86·5	79·0	82·6	+ 0·5	776	+ 78	76	− 41	46	− 1	6·78	172	− 15	3·3	+0·3	31	1015
5. ENGLAND, S.E.	75	22	87·2	80·0	83·5	+ 0·2	877	+ 23	45	− 19	42	− 5	6·74	172	− 47	4·0	+0·4	38	1015
Western.																			
6. SCOTLAND, WEST ...	75	25	85·0	79·3	82·0	+ 0·2	658	+ 20	67	− 22	73	+19	19·10	484	+143	2·4	−0·4	23	1010
7. ENGLAND, N.W.	73	25	85·8	80·2	82·9	+ 0·4	760	+ 46	30	− 34	64	+11	11·68	299	+ 37	2·6	−0·3	25	1013
8. ENGLAND, S.W.	73	25	86·5	80·5	83·4	+ 0·1	829	+ 1	18	− 33	54	0	10 78	274	− 19	2·9	−0·5	27	1016
9. IRELAND, NORTH ...	69	27	85·4	79·6	82·4	+ 0·2	698	+ 19	43	− 28	76	+17	14·17	358	+ 91	2·3	−0·5	22	1010
10. IRELAND, SOUTH ...	71	22	86·4	80·4	83·3	+ 0·4	815	+ 26	22	− 37	65	+11	8·45	215	− 57	2·6	−0·6	25	1015
11. ENGLISH CHANNEL ...	77	35	87·6	82·6	85·0	− 0·2	1061	− 27	0	− 5	62	+ 5	9·23	233	− 36	3·8	−0·3	36	1018

THE YEAR 1917.—Aggregates, &c., for the Period of 48 Weeks, December 31st, 1916, to December 1st, 1917.

0. SCOTLAND, NORTH ...	81	10	83·6	77·8	80·6	− 0·3	2030	− 43	793	+136	233	+ 9	50·53	1283	+122	3·3	0·0	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·3	76·9	80·4	− 0·6	2163	−131	1036	+268	184	− 6	28·62	730	+ 12	3·8	−0·1	30	1012
2. ENGLAND, N.E.	87	5	85·3	78·3	81·7	− 0·3	2753	+104	818	+291	168	− 4	22·09	561	− 18	4·1	−0·1	33	1013
3. ENGLAND, EAST ...	93	5	86·1	78·6	82·2	− 0·4	3118	+ 74	860	+277	162	− 5	23·51	601	+ 48	4·6	0·0	37	1014
4. MIDLAND COUNTIES ...	89	4	86·1	78·1	81·9	− 0·4	2997	+ 63	907	+268	163	− 3	25·94	661	+ 45	3·8	−0·3	31	1015
5. ENGLAND, S.E.	90	4	86·4	79·1	82·6	− 0·6	3205	− 60	738	+295	153	−10	27·25	694	+ 66	4·6	−0·2	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·9	78·3	81·5	− 0·4	2519	− 22	730	+225	199	0	42·39	1077	+ 6	3·8	−0·2	30	1013
7. ENGLAND, N.W.	82	5	85·3	78·8	82·0	− 0·4	2803	+ 27	733	+287	182	− 1	33·06	844	+ 32	4·0	−0·1	32	1014
8. ENGLAND, S.W.	86	4	85·7	79·3	82·4	− 0·7	2973	−125	637	+285	175	− 8	34·29	872	− 7	4·4	−0·1	35	1015
9. IRELAND, NORTH ...	76	7	85·0	78·8	81·8	− 0·4	2576	− 75	579	+168	223	+ 4	37·29	949	+ 71	3·5	−0·2	28	1013
10. IRELAND, SOUTH ...	77	9	86·1	79·4	82·6	− 0·5	3013	− 56	523	+204	206	+12	33·21	845	− 66	3·9	−0·3	31	1015
11. ENGLISH CHANNEL ...	83	22	86·5	81·2	83·7	− 0·7	3470	−208	347	+237	182	− 8	29·27	743	+ 3	5·2	−0·2	42	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: December 6th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 193

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTIETH YEAR. Vol. XXXIV (New Series.) } No. 49.

THE FORTY-NINTH WEEK OF 1917.
SUNDAY, DECEMBER 2ND, TO SATURDAY, DECEMBER 8TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

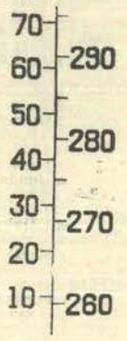
At the beginning of the week a deep depression which had passed to the North of Scotland was centred over Scandinavia and the strong current of cold air from the north and north-west in its rear was felt as a gale in most parts of the British Isles. As the depression moved further eastward these islands came within the area of a well-defined anti-cyclone, but by the middle of the week the country was again under the influence of Atlantic depressions and Westerly to South-Westerly winds.

On Sunday, December 2nd, the polar current resulted in low temperatures in all regions; in some places in the east of Scotland the maximum for the day was below the freezing point, while at night severe frost was experienced over a wide area, the thermometer descending below 267 a. at numerous stations, below 264 a. at Crathes, and 260 a. at Balmoral. With the change to the Westerly type the conditions became milder, the day temperatures passing above 283 a., touching 286½ a. at Cahir. Many night minima also were as high as 281 a. to 282 a. On balance the results for the week were practically normal in Scotland North and West, and Ireland, other regions returning a deficiency of from ½ a. to 2 a. The coastal sea water was everywhere colder than in the previous week, but it was still somewhat above the normal off the east of Scotland.

Precipitation, in the form of rain, snow and hail, was everywhere well under the quantity usual at this season, Scotland North receiving 79 per cent. of the normal, Ireland South 69, and other districts ranging down to 19 in England East, and 12 per cent. in England North-East. The largest fall in a day was 21mm. at Fort William on the 6th. Snow lay 15cm. deep at Fort Augustus on the 2nd.

Ireland and Scotland North lost ½ hour of sunshine per day, but elsewhere there was an excess above the normal, ranging up to nearly two hours per day in England East and South-East.

Parhelia and Zodiacal lights were observed at Oxford on the 3rd and 4th; and faint glow-Auroræ at Aberdeen on the 7th and 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	—	—	10	5·7	16	2·7	12	2·7	17	6·4	15	6·5	20	4·3	19	4·9
North	—	—	12	3·3	10	2·8	7	1·8	11	6·2	9	4·3	2	4·6	8	3·1
West	—	—	27	6·6	27	4·0	18	3·2	23	6·6	16	3·8	18	6·8	13	4·7
East	—	—	0	—	0	—	2	0·6	4	2·3	6	2·8	2	1·8	12	2·9
Calm	—	—	0	—	1	—	8	—	0	—	0	—	2	—	1	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Light	Very light	Very light	Light	Light	Moderate	Light	Light	Moderate	Moderate	Light
	Sunshine ...	Scanty	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 1 week from Dec. 2nd, 1917.	Warmth ...	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1
	Rainfall ...	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1
	Sunshine ...	0, 0, 1	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(14843—19.) Wt. 153—442. 450. 12/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a, Islands .. *a* Lerwick ..	54	49	5, 6	22	3rd	42·4	33·4	38·1	- 1·8	6	1·71	44	+ 12									
p Deerness	160	51	6th	27	3rd	42·6	35·0	39·0	—	7	0·87	22	- 7	Deerness	0·3	- 0·5	5	•	•	•	•	•	•
a Stornoway	51	52	6th	26	4th	44·3	35·6	40·1	+ 0·2	6	0·94	24	- 19	Stornoway	0·3	- 0·6	5	•	•	•	•	•	•
a Castlebay, Barra Isd.	37	51	6th	30	2, 3	46·1	38·0	42·2	- 1·9	7	1·06	27	—	Castlebay	0·3	—	4	•	•	•	•	•	•
b, Mainland. *a* Wick	81	52	6th	27	4th	43·3	35·0	39·3	+ 0·4	7	0·31	8	- 11	Fort Augustus..	0·3	- 0·2	4	•	•	•	○	•	•
p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—									
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—									
p Fort Augustus..	68	51	6, 7	18	4th	43·3	33·3	38·5	+ 0·1	6	1·17	30	- 8									
p Fort William	171	51	6th	23	4th	44·0	34·1	39·3	- 0·3	6	2·32	59	- 8									
1. SCOTLAND, E.																						
a Nairn	82	53	6th	19	4th	43·3	32·1	37·9	- 0·2	4	0·48	12	- 6	Nairn	1·4	—	21	•	•	•	•	•	•
p Gordon Castle	101	55	6th	24	4th	43·7	34·0	39·0	- 0·1	4	0·32	8	- 13	Gordon Castle..	1·4	—	21	•	•	•	•	•	•
a Aberdeen	46	52	6th	21	5th	42·3	32·0	37·4	- 1·6	5	0·35	9	- 16	Aberdeen	1·6	+ 0·5	24	3	17	•	•	43·9	+0·8
a Balmoral	930	52	6th	8	4th	40·6	29·9	35·5	+ 0·2	3	0·22	6	- 21	Balmoral	•	•	•	5	5	•	•	•	•
p Crieff	482	51	7th	19	4th	41·9	29·9	36·1	- 2·0	4	0·46	12	- 13	Crathes ..	1·8	+ 0·4	26	3	15	39·5	+0·6	42·8	+0·7
a Dundee	244	51	6th	18	4th	44·6	31·6	38·4	+ 0·3	3	0·12	3	- 17	Dundee ..	2·4	—	35	5	11	39·3	•	•	•
a Leith	18	53	6th	28	4, 5	44·1	35·0	39·7	- 0·6	5	0·20	5	- 11	Leith	•	•	•	3	20	•	•	•	•
a Edinburgh	441	52	7th	27	4th	45·9	34·7	40·5	+ 1·3	4	0·19	5	- 12	Edinburgh	1·9	+ 0·6	27	4	23	•	•	•	•
a West Linton	789	49	6th	17	4th	40·3	29·7	35·2	+ 0·1	5	0·30	8	—	West Linton	1·4	—	20	5	12	•	•	•	•
p Marchmont	498	50	7th	20	4th	41·9	31·0	36·7	- 0·9	2	0·06	2	- 20	Marchmont	1·9	+ 0·9	27	•	•	•	•	•	•
6. *a*, SCOTLAND, W																						
a Ford (Argyll)	149	51	5, 6	19	4th	45·0	33·8	39·6	—	7	1·78	45	—	Ford (Argyll) ..	•	•	•	3	17	43·0	•	45·7	•
p Glasgow Observatory	180	51	7th	28	4th	43·1	35·9	39·6	- 0·5	5	0·61	15	- 13	Glasgow..	1·4	+ 0·8	20	3	21	•	•	•	•
p Rothesay	170	52	6th	29	2-4	45·4	35·7	40·7	- 0·3	7	1·10	28	- 10	Rothesay	0·8	—	11	5	22	41·9	•	46·4	+2·1
a Kilmarnock	90	52	6th	26	4th	44·7	35·1	40·1	+ 0·8	6	0·78	20	- 9	Kilmarnock	1·4	—	20	•	•	41·6	•	46·1	•
a Colmonell	170	52	6th	32	2, 4	46·4	37·4	42·1	+ 1·1	7	1·26	32	- 7	Colmonell	•	•	•	3	28	•	•	•	•
p Cally, Gatehouse	120	49	5-7	24	4th	43·6	35·4	39·7	0·0	5	0·93	24	- 15	Dumfries	1·9	—	26	5	14	41·0	•	46·0	•
a Dumfries	180	50	6, 7	25	4th	43·7	35·0	39·5	0·0	5	0·52	13	- 15	Eskdalemuir	1·6	—	23	?	?	•	•	•	•
a Eskdalemuir	794	49	6th	17	4th	40·4	28·7	34·8	—	5	1·10	28	—											
b, I. OF MAN *p* Douglas	277	51	7th	32	3rd	46·7	38·3	42·7	+ 0·1	7	1·43	36	+ 1	Douglas ..	1·2	- 0·3	16	2	28	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle	210	52	6, 7	20	4th	44·3	31·6	38·2	- 1·4	1	0·04	1	- 21									
a Tynemouth	71	53	6th	26	4, 5	43·6	33·6	38·8	- 1·5	1	0·08	2	- 14	Cockle Park	2·4	+ 0·8	34	4	17	37·5	-0·6	44·1	+2·2
a Durham	336	51	7th	20	4th	40·6	31·9	36·4	- 2·5	2	0·40	10	- 5	Durham	2·6	+ 1·2	36	4	15	•	•	•	•
a North .. *p* Rounton	249	51	7th	20	4th	42·4	31·4	37·1	- 1·7	2	0·10	3	- 13	Rounton	•	•	•	6	17	40·4	•	•	•
a West Witton	605	50	6th	22	4, 5	42·0	31·4	36·2	-	4	0·32	8	—	West Witton	•	•	•	5	20	40·3	•	45·0	•
p Scarborough	100	51	7th	32	4th	45·3	35·0	40·8	0·0	3	0·14	4	- 14	Scarborough†	2·1	+ 0·9	28	•	•	•	•	47·7	•
p York	56	52	7th	25	4th	42·9	33·3	38·3	- 1·5	1	0·01	0	- 16	York	1·3	+ 0·4	18	•	•	42·3	+0·9	46·8	+1·3
b, South .. *a* Spurn Head	26	50	7th	32	4th	42·0	35·3	38·8	- 2·3	1	0·01	0·2	- 15	Spurn Head	0·0	—	0	•	•	•	•	•	•
a Lincoln	58	53	7th	25	4th	43·8	31·0	37·7	- 1·7	0	0·00	0	- 16	Lincoln	•	•	•	6	16	39·2	- 1·0	46·8	+1·5
a Fulbeck	180	53	7th	22	4th	42·6	29·6	36·4	- 3·1	1	0·02	1	- 18	Rauceby	2·3	+ 0·9	30	•	•	39·9	- 1·1	47·8	+1·4
														Skegness	3·7	+ 1·9	49	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	51	7th	29	3, 6	46·6	31·9	39·5	- 1·5	2	0·03	1	- 13	Cromer	3·3	+ 1·8	43	•	•	•	•	•	•
p Little Massingham	280	50	8th	24	4th	43·4	27·9	34·0	- 3·6	1	0·02	0·4	- 19	Lit. Massingham	3·1	+ 1·8	40	•	•	•	•	•	•
a Yarmouth	13	51	7th	29	5th	42·6	32·1	37·6	- 3·2	2	0·08	2	- 15	Yarmouth	3·8	—	49	5	20	42·3	+1·0	48·4	+2·0
a Norwich	93	51	7th	28	4, 5	42·9	31·4	37·4	- 2·7	2	0·03	1	- 17	Norwich	3·7	—	48	6	18	38·8	•	•	•
a Geldeston	37	52	7th	26	4th	44·0	30·1	37·3	- 3·5	2	0·16	4	- 12	Geldeston	3·7	+ 2·2	48	•	•	•	•	•	•
p Cambridge	41	52	7th	21	4th	43·7	28·7	36·5	- 3·6	1	0·04	1	- 13	Cambridge	3·1	+ 1·7	40	7	15	41·1	- 0·4	48·0	+1·7
a Clacton-on-Sea	54	49	7th	28	4, 5	42·7	33·1	38·1	- 2·8	2	0·16	4	- 9	Clacton ..	3·2	+ 1·6	41	4	23	41·1	- 3·3	48·2	+0·1
a Rothamsted	424	50	7th	22	6th	42·0	28·7	35·6	- 4·4	2	0·09	2	- 17	Rothamsted	3·7	+ 2·3	47	7	17	40·5	•	•	•
p Tottenham	51	52	7, 8	27	4th	45·1	34·6	40·1	- 1·1	1	0·29	7	—	Tottenham	1·9	—	24	•	•	•	•	48·5	+1·0
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	50	7th	25	4th	42·1	32·1	37·3	- 1·6	3	0·17	4	- 15	Harrogate	2·0	+ 0·6	27	4	19	40·8	+0·2	45·0	+2·1
p Sheffield	429	51	7th	30	2, 4	43·1	34·9	39·2	—	3	0·13	3	—	Sheffield..	1·6	+ 0·4	21	5	21	41·2	+1·0	46·6	+1·2
p Buxton	987	48	7th	27	3rd	40·9	33·1	37·2	- 0·7	6	0·37	9	- 26	Buxton ..	1·9	—	25	5	19	39·3	+2·1	45·5	+0·4
b, East .. *a* Bawtry	65	52	7th	22	4th	42·9	31·3	37·3	- 2·2	1	0·01	0	- 14	Worksop	2·3	+ 1·2	30	6	15	40·0	•	45·6	•
a Nottingham	82	54	7th	26	4th	43·3	29·7	36·8	- 3·2	2	0·05	1	- 14	Nottingham	1·7	+ 0·7	22	6	19	38·6	-1·3	45·5	+1·6
p Birmingham, Edgbn	535	52	7th	28	3rd	41·1	33·0	37·2	- 2·8	3	0·30	8	- 9	Birmingham	2·2	+ 1·2	29	5	18	41·2	- 0·8	47·8	+1·0
a Raunds	202	52	7th	23	4, 6	43·6	28·0	36·1	- 3·0	2	0·02	1	- 14	Raunds ..	•	•	•	7	12	43·3	•	49·5	•
p Oxford	208	52	7th	26	6th	43·9	33·3	38·3	- 2·4	4	0·28	7	- 9	Oxford ..	3·4	+ 1·9	43	5	17	•	•	•	•
c, West .. *a* Cheadle (N. Staffs.)	646	51	7th	26	3rd	42·9	31·1	37·2	- 1·6	3	0·23	6	- 15	Cheadle ..	•	•	•	6	18	•	•	•	•
p Shrewsbury	191	54	7th	29	4, 6	46·6	33·6	40·4	- 0·6	4	0·26	7	- 7	Shrewsbury ..	•	•	•	3	24	•	•	•	•
a Hereford§	291	—	—	25	6th	—	29·7	—	—	1	0·05	1	- 17	Malvern§	3·3	—	42	7	18	40·2	•	47·1	•
a Clifton	229	53	7th	28	6th	45·1	32·7	39·2	- 2·8	2	0·13	3	- 23	Clifton ..	2·4	—	30	5	25	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	51	7th	20	6th	43·7	26·6	35·5	- 4·4	4	0·32	8	- 17	Worthing	4·2	+ 2·4	53	5	20	42·9	- 0·6	50·1	+2·1
p Salisbury (Wilton)	180	52	7th	20	6th	44·9	28·0	36·8	- 3·8	3	0·29	7	- 23	Marlborough	•	•	•	6	15	41·0	•	48·8	•
a Wisley, Surrey	150	52	7th	22	6th	44·6	31·1	38·1	- 2·9	2	0·33	8	- 10	Salisbury	•	•	•	5	19	41·1	•	•	•
a Tunbridge Wells	354	50	6, 7	25	4th	44·1	30·9	37·8	- 3·5	2	0·19	5	- 21	Wisley	3·4	+ 2·1	43	6	14	41·9	- 0·5	48·2	+1·7
a Margate	53	51	7th	33	6th	44·6	36·3	40·6	- 2·0	2	0·35	9	- 8	Tunbridge Wells	3·7	+ 2·2	47	5	15	43·4	+1·6	48·8	•
														Margate	1·3	- 0·1	16	2	22	42·5	-1·2	49·0	+2·8
a Dungeness	21	50	7, 8	25	3rd	44·3	32·4	38·6	- 4·4	2	0·24	6	- 15											
p St. Leonards	178	50	7th	28	3rd	45·4	36·1	40·9	- 2·1	3	0·35	9	- 14	St. Leonards	4·5	+ 2·7	56	3	22	41·4	•	48·8	•
p Southampton	64	51	7th	24	6th	45·3	32·6	39·2	- 3·7	3	0·40	10	- 16	Southampton	3·2	+ 1·6	41	5	13	•	•	•	•
a Ventnor	59	51	6, 7	29	3rd	46·9	38·1	42·7	- 0·4	4	0·31	8	- 17	Ventnor	3·7	+ 2·0	46	•	•	•	•	•	•
LONDON. *p* Richmond (Kew Obs.)	18	52	7th	24	6th	43·9	32·0	38·2	- 3·3	2	0·35	9	- 8	Richmond	3·2	+ 2·0	41	5	14	40·3	- 1·8	48·0	+1·0
a Westminster	27	53	7th	25	6th	46·1	33·4	40·0	- 2·5	3	0·30	8	- 8	Westminster	2·3	+ 1·7	29	5	23	•	•	•	•
ag Greenwich	155	53	7th	23	4th	44·0	30·4	37·5	- 3·7	2	0·25	6	- 6	Greenwich	3·1	+ 1·9	39	6	17	•	•	•	•
a Hampstead	450	50	7th	26	3rd	42·6	34·6	37·8	—	2	0·35	9	—	Hampstead	2·8		35	6	17	•	•	•	•
ag Camden Square	110	52	7th	25	4, 6	44·3	30·4	37·6	- 4·2	2	0·30	8	- 10	Camden Square	1·9	+ 1·1	24	5	22	•	•	•	•
7. *a*, ENGLAND, N.W.																						
f Aspatria (Mealsgate)	487	49	7th	29	2, 3	42·0	35·0	38·6	- 1·4	5	0·52	13	- 17	Aspatria..	1·1	- 0·1	15	3	21	41·4	•	46·2	•
p Newton Rigg	550	50	6, 7	25	4th	42·0	33·0	37·7	- 0·7	4	0·33	9	- 19	Newton Rigg	1·6	+ 0·5	22	4	19	41·3	+1·0	45·4	+1·7
p Stonyhurst	377	49	6, 7	29	2, 3	43·3	34·3	38·0	- 1·1	6	0·83	21	- 12	Stonyhurst	1·8	+ 0·8	24	3	20	•	•	•	•
p Blackpool	66	50	7th	32	4th	43·7	37·1	40·5	- 0·7	7	0·39	10	- 13	Blackpool	1·3	+ 0·1	17	2	25	44·5	•	43·8	•
a Southport	37	51	6th	33	4th	44·0	37·1	40·7	- 0·5	7	0·65	16	- 6	Southport	1·7	+ 0·5	22	2	28	40·6	+0·9	45·3	+2·7
														Hoylake	1·0	- 0·3	13	•	•	•	•	•	•
a Liverpool (Bidston)	188	53	6th	34	3-5	45·4	37·3	41·5	- 0·5	7	0·56	14	- 4	Liverpool	1·4	—	18	2	30	•	•	•	•
a Hawarden Bridge	22	54	6, 7	32	4th	46·1	36·6	41·5	- 1·0	3	0·43	11	- 5	Manchester(City)	0·4	+ 0·1	5	2	25	41·6	+0·9	48·1	+2·2
p Manchester (Whit. Pk.)	125	52	7th	33	2, 8	44·6	35·7	40·3	- 1·0	3	0·30	8	- 13	Whitworth Park	0·6	+ 0·1	8	•	•	•	•	•	•
b. NORTH WALES.																						
p Llandudno	16	51	7th	32	2nd	48·3	38·0	43·4	- 0·4	6	0·56	14	- 7	Llandudno	1·0	- 0·4	13	•	•	•	•	•	•
a Holyhead	14	51	6, 7	36	2nd	46·6	40·9	43·9	- 0·4	7	0·65	16	- 13	Holyhead	1·0	-	13	0	32	•	•	•	•
Bettws-y-Coed	148	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed.	•	•	•	•	•	•	•	•	•
a Aberdovey	22	50	7th	34	3rd	45·9	40·3	43·2	—	6	0·68	17	—	Aberdovey	0·7	- 0·7	9	•	•	•	•	•	•

† Earth temperature at 3 ft. § The temperature on the grass refers to Hereford. Dew

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm	mm.		hr.		%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																							
a Aberystwyth	59	49	6,7	33	3rd	45·0	38·9	42·1	—	5	0·48	12	—	Aberystwyth ..	1·0	- 0·4	13	*	*	*	*	*	*
a Rhayader	757	49	6,7	22	3rd	42·9	32·6	38·0	—	5	0·38	10	—	Rhayader ..	1·7	—	22	4	17	*	*	*	*
a St. Ann's Head	149	51	6,7	35	3rd	47·6	41·9	44·9	- 0·6	4	0·36	9	- 24	St, Ann's Head	1·8	+ 0·2	23	*	*	*	*	*	*
p Cardiff	202	51	7th	30	3rd	45·1	35·3	40·4	- 1·3	4	0·22	6	- 29	Cardiff	2·6	—	33	5	19	13·9	+1·4	49·5	+2·9
b, ENGLAND, S.W.																							
a Bath	66	54	7th	22	6th	46·4	29·0	38·1	- 3·7	1	0·07	2	- 23	Bath	*	*	*	*	*	43·6	- 0·3	49·9	+1·7
a Shaftesbury ..	722	49	7th	26	3rd	43·1	33·1	38·3	- 2·4	2	0·24	6	- 20	Shaftesbury ..	*	*	*	*	*	41·3	*	48·2	*
a Arlington	613	50	7th	28	3rd	45·1	33·5	39·5	- 2·5	3	0·62	16	- 32										
a Newquay	190	51	6,7	29	3rd	47·6	38·7	43·3	- 2·9	3	0·58	15	- 16	Newquay ..	2·0	+ 0·2	25	3	23	46·9	*	51·3	*
a Cullompton	202	53	7th	22	6th	46·7	29·7	38·5	- 3·7	4	0·20	5	- 26	Cullompton ..	2·2	+ 0·8	27	4	17	43·7	*	*	*
a Portland Bill	19	52	7th	26	3rd	47·7	42·1	45·0	- 0·7	3	0·48	12	- 9	Weymouth ..	2·7	—	34	*	*	*	*	*	*
p Plymouth	116	52	7th	30	3rd	48·0	36·3	42·4	- 2·6	3	0·57	14	- 20	Plymouth ..	2·3	+ 0·5	29	2	20	43·9	*	50·6	*
a Falmouth	167	53	7th	30	3,4	48·6	38·1	43·6	- 2·3	3	0·89	23	- 21	Falmouth ..	1·7	- 0·3	21	3	25	48·2	+2·6	52·3	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	52	6th	27	5th	46·4	36·0	41·4	- 1·1	6	0·79	20	- 3	Malin Head ..	0·7	—	10	*	*	*	*	*	*
{ *a* Blacksod Point ..	327	52	6th	33	3rd	46·9	39·6	43·4	- 0·5	7	1·19	30	- 9	Markree Castle	0·6	- 0·7	8	2	20	44·4	*	48·6	*
{ *p* Markree Castle ..	122	54	6th	26	3rd	46·7	36·1	41·6	+ 1·0	6	0·81	21	- 10										
b, East .. { *p* Armagh	196	53	6th	29	2,3	44·7	36·7	40·9	+ 0·4	6	0·35	9	- 12	Armagh	1·2	- 0·2	16	3	23	44·6	+3·1	47·8	+2·0
{ *a* Donaghadee	101	51	6th	30	4th	44·9	37·7	41·4	- 0·6	7	0·56	14	- 7										
10. IRELAND, S.																							
p Dublin, City	47	53	6,7	31	2,3	46·4	38·9	42·8	- 0·4	5	0·37	9	- 8	Dublin City ..	*	*	*	2	26	*	*	*	*
a Birr Castle	175	53	6th	23	3,4	47·0	36·1	41·8	+ 0·6	5	0·51	13	- 8	Trinity Coll. ..	*	*	*	2	22	45·4	+2·9	48·7	+2·4
a Kilkenny	212	52	5,6	20	3rd	47·4	35·0	41·5	+ 0·1	6	0·34	9	- 13	Phœnix Park ..	1·6	- 0·1	21	4	21	*	*	*	*
a Waterford	20	51	5,6	25	3rd	46·9	37·1	42·2	- 1·0	4	0·90	23	- 5	Birr Castle ..	1·2	- 0·3	16	4	15	*	*	*	*
a Seskin, Carrick-on-Suir	541	53	6th	26	3rd	46·1	36·0	41·3	—	5	0·66	17	—	Seskin	1·5	—	20	4	16	*	*	*	*
a Cahir	198	56	6th	20	3rd	46·9	35·4	41·4	- 0·3	5	0·61	15	—										
a Foynes	50	54	6th	24	3rd	48·3	37·6	43·2	- 0·1	6	1·06	27	- 2										
a Cahirciveen (Val. Obs.)	30	55	6th	30	3rd	50·3	42·3	46·5	+ 0·7	6	1·46	37	- 4	Cahirciveen ..	0·2	- 1·3	3	1	22	*	*	*	*
a Killarney	174	55	6th	26	3rd	49·5	39·6	44·8	+ 0·8	6	1·19	30	- 14	Ballinacurra ..	1·1	- 0·4	14	*	*	*	*	*	*
a Roche's Point	32	51	6,7	29	3,4	48·0	39·1	43·7	- 1·4	6	0·76	19	- 13										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	6,7	35	3rd	49·7	43·0	46·5	- 1·5	4	0·37	10	- 22	Scilly	1·1	- 0·8	14	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	52	7,8	31	3rd	47·6	37·4	42·7	- 3·5	2	0·67	17	- 15	St. Heliers ..	2·6	+ 2·6	32	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	52	7th	32	3rd	47·7	38·7	43·4	- 2·8	2	0·33	9	- 26	Guernsey† ..	2·8	+ 1·0	35	3	26	46·1	-0·8	51·4	+0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 8th, 1917.

DISTRICT AND STATION‡	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
0. SCOTLAND, N.															
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	—	—	—	—	—	—	—	—
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	153	105	52	2	5	2,3	14	39	108	2	0	WNW. 22	2 2	34	2 1 55
Edinburgh	485	39	31	—	—	2, 4 to 7	31	99	36	2	0	SW. 15	5 2	23	5 1 55
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	2	4	2, 5 to 7	28	74	40	22	0	NW. by W. 19	2 6	27	2 6 25
Paisley	188	81	52	—	—	2	9	26	107	26	0	NNW. 13	2 5	26	2 1 35
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	2	14	25	116	13	0	NW. by N. 14	2 11	29	2 12 55
South Shields	72	61	12	—	—	—	—	43	91	34	0	NW. by W. 10	2 5	20	7 11 25
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	— — —
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	—	—	2	3	48	111	6	0	WNW. 12	2 11	—	— — —
Gorleston	52	42	‡	—	—	2	4	73	86	5	0	NW. by W. 11	2 16	22	2 18 20
Shoeburyness	103	90	‡	—	—	2	6	84	69	9	0	NW. by W. 13	2 11	22	2 8 15
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	2	2	40	25	33	0	WNW. 11	2 12	20	2 11 55
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	22	126	10	10	— 8	2 13	16	2 13 10
Brighton	261	53	6	—	—	2	1	83	58	6	20	— 12	2 12	17	2 12 5
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	19	102	47	0	WNW. 10	2 12	18	2 12 25
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	57	97	14	0	NW. 10	2 1	16	8 2 5
Fleetwood (Cup Anr.) ..	109	44	—	2	13	2, 3, 8	30	88	34	3	0	NW. 26	2 6	—	— — —
Southport	80	62	48	—	12	2, 3, 7, 8	35	89	32	0	0	NW. 24	2 6	30	2 0 55
Holyhead	60	40	‡	—	8	2 to 8	68	79	12	1	0	NW. 18	2 7	25	2 15 15
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	4, 5, 7	19	54	52	43	0	SSE. 16	4 20	20	4 19 50
Plymouth	185	88	52	—	—	4, 5	17	44	58	49	0	— 16	4 20	19	4 19 55
Lyme Regis	556	61	‡	—	—	2, 4, 5	9	85	39	55	0	— 14	4 22	18	4 22 35
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	2, 4 to 8	20	91	48	6	0	WSW. 14	7 24	—	— — —
Quilty	100	40	‡	—	—	2, 4, 7	13	90	48	3	14	— 15	2 4	20	2 0 40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	4, 6	11	94	52	11	0	S. by E. 12	4 11	19	8 0 25
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
11. ENGLISH CHANNEL															
Scilly	150	32	‡	—	—	2, 4, 5, 8	23	58	75	12	0	NNW. 13	2 3	20	8 20 40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 6·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the N.W.R.]

‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-NINTH WEEK of 1917—December 2nd to December 8th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	18	79·4	74·3	76·9	+ 0·1	4	− 5	29	0	6	0	1·29	33	− 9	0·3	−0·5	5	1012
Eastern.																			
1. SCOTLAND, EAST ..	55	8	78·7	72·8	75·9	− 0·5	1	− 7	38	+ 4	4	− 1	0·30	8	− 16	1·8	+0·5	27	1015
2. ENGLAND, N.E.	53	20	79·2	73·3	76·4	− 1·1	3	− 7	35	+ 9	1	− 3	0·09	2	− 15	2·4	+1·1	32	1020
3. ENGLAND, EAST ...	52	21	79·5	72·4	76·1	− 1·6	5	− 9	42	+ 15	2	− 3	0·10	3	− 13	3·2	+1·8	42	1024
4. MIDLAND COUNTIES ...	54	22	79·6	72·7	76·2	− 1·2	5	− 9	40	+ 10	3	− 2	0·15	4	− 14	2·2	+1·0	29	1024
5. ENGLAND, S.E.	52	20	80 1	73·2	76 8	− 1·9	8	− 13	37	+ 18	3	− 2	0·31	8	− 16	3·4	+1·9	43	1026
Western.																			
6. SCOTLAND, WEST ...	52	19	80·1	75·1	77·7	− 0·2	8	− 6	25	+ 6	6	+ 1	1·05	27	− 13	1·3	+0·2	18	1019
7. ENGLAND, N.W.	54	25	80·1	75·4	77·8	− 0·5	8	− 7	23	+ 3	5	0	0·52	13	− 13	1·3	+0·2	17	1023
8. ENGLAND, S.W.	54	22	80·8	74·8	77·9	− 1·5	11	− 14	28	+ 15	3	− 2	0·40	10	− 26	1·8	+0·2	23	1025
9. IRELAND, NORTH ...	54	23	80·8	75·8	78·4	+ 0·1	11	− 4	22	+ 1	6	0	0·70	18	− 9	0·9	−0·5	12	1019
10. IRELAND, SOUTH ...	56	20	81 8	76 3	79·2	− 0·1	25	0	11	− 4	5	0	0·80	20	− 9	1·0	−0·6	13	1023
11. ENGLISH CHANNEL ...	52	31	82·1	77·3	79·8	− 1·6	25	− 14	6	+ 3	3	− 3	0·46	12	− 21	2·2	+0·3	27	1027

THE SEASON (Winter).—Aggregates, &c., for the Period of 1 Week, December 2nd to December 8th, 1917.

0. SCOTLAND, NORTH ...	52	18	79·4	74·3	76·9	+ 0·1	4	− 5	29	0	6	0	1·29	33	− 9	0·3	−0·5	5	1012
Eastern.																			
1. SCOTLAND, EAST ...	55	8	78·7	72·8	75·9	− 0·5	1	− 7	38	+ 4	4	− 1	0·30	8	− 16	1·8	+0·5	27	1015
2. ENGLAND, N.E.	53	20	79·2	73·3	76·4	− 1·1	3	− 7	35	+ 9	1	− 3	0·09	2	− 15	2·4	+1·1	32	1020
3. ENGLAND, EAST ...	52	21	79·5	72·4	76·1	− 1·6	5	− 9	42	+ 15	2	− 3	0·10	3	− 13	3·2	+1·8	42	1024
4. MIDLAND COUNTIES ...	54	22	79·6	72·7	76·2	− 1·2	5	− 9	40	+ 10	3	− 2	0 15	4	− 14	2·2	+1·0	29	1024
5. ENGLAND, S.E.	52	20	80·1	73·2	76·8	− 1·9	8	− 13	37	+ 18	3	− 2	0·31	8	− 16	3·4	+1·9	43	1026
Western.																			
6. SCOTLAND WEST ...	52	19	80·1	75·1	77·7	− 0·2	8	− 6	25	+ 6	6	+ 1	1·05	27	− 13	1·3	+0·2	18	1019
7. ENGLAND, N.W.	54	25	80·1	75·4	77·8	− 0·5	8	− 7	23	+ 3	5	0	0·52	13	− 13	1·3	+0·2	17	1023
8. ENGLAND, S.W.	54	22	80·8	74·8	77·9	− 1·5	11	− 14	28	+ 15	3	− 2	0 40	10	− 26	1·8	+0·2	23	1025
9. IRELAND, NORTH ...	54	23	80·8	75·8	78·4	+ 0·1	11	− 4	22	+ 1	6	0	0·70	18	− 9	0·9	−0·5	12	1019
10. IRELAND, SOUTH ...	56	20	81·8	76·3	79·2	− 0·1	25	0	11	− 4	5	0	0·80	20	− 9	1·0	−0·6	13	1023
11. ENGLISH CHANNEL ...	52	31	82·1	77·3	79·8	− 1·6	25	− 14	6	+ 3	3	− 3	0·46	12	− 21	2·2	+0·3	27	1027

THE YEAR 1917.—Aggregates, &c., for the Period of 49 Weeks, December 31st, 1916, to December 8th, 1917.

0. SCOTLAND, NORTH ...	81	10	83·6	77·7	80·5	− 0·3	2034	− 48	822	+136	239	+ 9	52·56	1335	+132	3·2	0·0	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·2	76·8	80·3	− 0·6	2164	−138	1074	+272	188	− 7	28·92	738	− 4	3·8	0·0	30	1012
2. ENGLAND, N.E.	87	5	85·2	78·2	81·6	− 0·3	2756	+ 97	883	+300	169	− 7	22·18	563	− 33	4·0	−0·1	33	1014
3. ENGLAND, EAST ..	93	5	86·0	78·5	82·1	− 0·4	3123	+ 65	902	+292	164	− 8	23·61	604	+ 35	4·6	+0·1	37	1015
4. MIDLAND COUNTIES ...	89	4	86·0	78·0	81·8	− 0·4	3002	+ 54	947	+278	166	− 5	26·05	664	+ 30	3·8	−0·2	31	1015
5. ENGLAND, S.E.	90	4	86·2	79·0	82·5	− 0·6	3213	− 73	775	+313	156	−12	27·56	702	+ 50	4·6	−0·1	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·8	78·2	81·4	− 0·4	2527	− 28	755	+231	205	+ 1	43·44	1104	− 7	3·7	−0·2	30	1013
7. ENGLAND, N.W.	82	5	85·2	78·8	81·9	− 0·4	2811	+ 20	756	+290	187	− 1	33·58	857	+ 19	3·9	−0·2	32	1014
8. ENGLAND, S.W.	86	4	85·6	79·2	82·3	− 0·7	2984	−139	665	+300	178	−10	34·69	882	− 33	4·3	−0·2	35	1016
9. IRELAND, NORTH ...	76	7	84·9	78·7	81·7	− 0·5	2587	− 79	601	+169	229	+ 4	37·99	967	+ 62	3·4	−0·3	27	1013
10. IRELAND, SOUTH ...	77	9	86·0	79·4	82·6	− 0·4	3038	− 56	534	+200	211	+12	34·01	865	− 75	3·8	−0·3	31	1015
11. ENGLISH CHANNEL ...	83	22	86·4	81·1	83·7	− 0·7	3495	−222	353	+240	185	−11	29·73	755	− 18	5·1	−0·3	41	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : December 13th, 1917.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1: 37, PETER STREET, MANCHESTER: 1, ST. ANDREW'S CRESCENT, CARDIFF: 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LTD., LONDON, W.C.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 50.

THE FIFTIETH WEEK OF 1917.

SUNDAY, DECEMBER 9TH, TO SATURDAY, DECEMBER 15TH.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

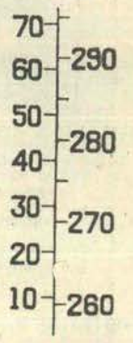
I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week a tongue of low pressure reached from the Arctic Circle to the Bay of Biscay. The strong current of cold air on the west of this depression was felt over the greater part of the British Isles. In the course of Sunday, December 9th, the tip of the "tongue" was separated, and began to move southwards. By Monday morning there was a belt of high pressure stretching from the Azores to Central Europe and covering these Islands. Towards the end of the week a strong North-West wind developed under the influence of a depression over Scandinavia. On Saturday afternoon a cyclone made its appearance off the west coast of Ireland and moved rapidly to the south-east, occasioning strong winds with snow, hail and rain, in the south of Ireland and south-west England.

The rainfall for the week as a whole was light in all districts. Sunday, December 9th, was wet in the south-eastern counties, 29mm. falling at St. Leonards, 20mm. at Tunbridge Wells. At many stations, the heaviest fall of rain or snow was during the night of December 15th to 16th, when Dumfries and Douglas (Isle of Man) had 14mm. Sunshine was exceptionally abundant for the time of year in Scotland East and England North-West, at Crathes on Deeside, the mean duration was 3·0 hours per day, as compared with a normal 1·1 hour. At Aberdovey, the mean 2·3 hours per day was 1·1 hr. above the normal; the highest average reported was at Cardiff, 3·5 hrs., the lowest, at Stornoway, 0·3 hr.

Temperature covered a fairly wide range, maxima of 284 a. being common about the 13th, whereas minima below 270 a. had been general earlier in the week. 261·50 a. was recorded in the screen at Eskdalemuir on the morning of the 11th, and comparable figures are reported from the other Scottish stations. On the average, temperature was low in all districts, the deficiency was greatest (2·3 a.) at Falmouth. Snow was lying during the week in parts of Scotland and in North Wales.

Haloes were observed at Greenwich on the 9th, at Clacton and Oxford on the 12th, and at Dublin on the 15th. The Zodiacal light was visible at Oxford on four evenings.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 24.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	11*	6·1	2	1·7	5	0·9	5	1·0	7	2·5	3	2·9	12	2·5	10	3·7
North	6*	2·9	13	2·3	17	4·0	18	2·6	12	5·9	22	4·1	6	2·2	12	3·2
West	17*	8·0	24	6·3	16	4·3	12	3·3	18	7·3	13	3·6	24	7·1	11	3·6
East	2*	2·0	0	—	11	6·2	9	1·8	6	3·9	13	4·1	1	2·5	10	2·8
Calm	1*	—	3	—	1	—	4	—	3	—	0	—	3	—	6	—

* Observations on 6 days only.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient
	Rainfall ...	Light	Light	Light	Moderate	Light	Moderate	Moderate	Moderate	Light	Light	Light	Light
	Sunshine ...	Moderate	Very abundant	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 2 weeks from Dec. 2nd, 1917.	Warmth ...	0, 2, 0	0, 2, 0	0, 1, 1	0, 1, 1	0, 1, 1	0, 0, 2	0, 0, 2	0, 2, 0	0, 0, 2	0, 2, 0	0, 1, 1	0, 0, 2
	Rainfall ...	0, 1, 1	0, 0, 2	0, 0, 2	0, 1, 1	0, 0, 2	0, 1, 1	0, 2, 0	0, 1, 1	0, 0, 2	0, 1, 1	0, 1, 1	0, 0, 2
	Sunshine ...	0, 1, 1	2, 0, 0	2, 0, 0	1, 1, 0	2, 0, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1	1, 0, 1	0, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(14967—19.) Wt. 153—442. 450. 12/17. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880. GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands	*a* Lerwick	54	48 12th	26	10, 11	43·1	33·3	38·4	- 1·9	7	1·39	35	+ 5										
	p Deerness	160	49 10th	31	10th	43·4	36·3	40·0	—	6	0·79	20	- 6	Deerness	0·8	+ 0·3	13	•	•	•	•	•	•
	a Stornoway	51	51 13th	28	10th	44·7	36·4	40·7	+ 0·4	7	0·83	21	- 18	Stornoway	0·3	- 0·3	5	•	•	•	•	•	•
	a Castlebay, Barra Isd.	37	— —	—	—	—	—	—	—	—	—	—	—	Castlebay	•	•	•	•	•	•	•	•	•
b, Mainland	*a* Wick	81	49 12th	?	?	42·6	?	?	?	5	0·40	10	- 9	Fort Augustus	1·0	+ 0·7	15	•	•	•	•	•	•
	p Strathpeffer	200	— —	—	—	—	—	—	—	—	—	—	—										
	p Glencarron	500	— —	—	—	—	—	—	—	—	—	—	—										
	p Fort Augustus	68	52 13th	22	10th	44·1	32·9	38·7	0·0	5	0·62	16	- 20										
	p Fort William	171	51 13th	24	10th	44·4	33·9	39·4	- 0·6	5	1·39	35	- 28										
1. SCOTLAND, E.																							
	a Nairn	82	51 12th	22	10th	41·3	31·6	36·6	- 1·4	3	0·52	13	+ 1	Nairn	1·0	—	16	•	•	•	•	•	•
	p Gordon Castle	101	51 12–14	25	10th	44·0	33·0	38·7	- 0·3	4	0·23	6	- 9	Gordon Castle	1·6	—	25	•	•	•	•	•	•
	a Aberdeen	46	50 12th	24	11th	41·8	32·1	37·0	- 1·9	2	0·14	4	- 14	Aberdeen	2·5	+ 1·4	38	4	21	•	•	42·7	0·0
	a Balmoral	930	49 13th	14	10th	39·4	29·9	34·8	- 0·4	3	0·11	3	- 15	Balmoral	•	•	•	6	12	•	•	•	•
	p Crieff	432	51 14th	19	10th	42·9	28·4	35·9	- 2·1	2	0·24	6	- 18	Crathes	3·0	+ 1·9	45	6	15	35·9	+1·4	41·7	+0·3
	a Dundee	244	49 13th	21	10th	40·7	30·4	35·8	- 2·2	2	0·08	2	- 13	Dundee	2·7	—	40	6	16	37·0	•	•	•
	a Leith	18	51 13th	25	11th	42·7	33·1	38·1	- 2·2	3	0·13	3	- 8	Leith	•	•	•	4	20	•	•	•	•
	a Edinburgh	441	50 14th	27	10th	42·9	33·3	38·3	- 0·9	2	0·12	3	- 9	Edinburgh	1·9	+ 0·6	28	3	18	•	•	•	•
	a West Linton	769	48 13th	13	10th	39·6	27·1	33·6	- 1·5	3	0·27	7	—	West Linton	1·5	—	22	5	12	•	•	•	•
	p Marchmont	498	52 14th	19	10th	40·1	28·7	31·6	- 2·9	2	0·43	11	- 4	Marchmont	1·9	+ 0·9	28	•	•	•	•	•	•
6. *a*, SCOTLAND, W																							
	a Ford (Argyll)	149	50 13th	25	10th	43·9	32·9	38·6	—	5	1·33	34	—	Ford (Argyll)	•	•	•	3	18	39·9	•	44·6	•
	p Glasgow Observatory	180	50 13, 14	25	11th	42·1	33·9	38·2	- 1·6	4	0·73	19	- 4	Glasgow	1·0	+ 0·5	14	4	13	•	•	•	•
	p Rothesay	170	50 13, 14	30	11th	43·1	33·4	38·4	- 2·3	5	1·10	28	- 3	Rothesay	1·6	—	23	5	24	39·1	•	45·0	+1·0
	a Kilmarnock	90	50 12, 13	25	11th	44·6	33·3	39·2	+ 0·1	6	0·99	25	+ 2	Kilmarnock	1·9	—	28	•	•	39·4	•	44·7	•
	a Colmonell	170	50 13th	25	10th	42·9	34·4	38·8	- 1·9	5	1·42	36	+ 5	Colmonell	•	•	•	2	22	•	•	•	•
	p Cally Gatehouse	120	47 13th	20	10th	40·3	31·4	36·0	- 3·4	5	1·03	26	- 5	Dumfries	2·0	—	29	5	12	38·1	•	44·1	•
	a Dumfries	160	49 13, 14	21	10th	40·4	30·9	35·8	- 3·3	4	0·72	18	- 5	Eskdalemuir	1·8	—	26	4	3	•	•	•	•
	a Eskdalemuir	794	48 13th	11	11, 12	38·3	24·0	31·4	—	6	0·73	19	—										
7. I. OF MAN	*p* Douglas	277	50 13, 14	30	10th	44·4	36·7	40·7	- 1·8	4	0·83	21	- 7	Douglas	2·3	+ 1·0	32	3	25	•	•	•	•
2. ENGLAND, N.E.																							
a, North	*a* Alnwick Castle	210	51 12th	21	11th	42·6	29·7	36·4	- 3·0	3	0·52	13	- 4										
	a Tynemouth	71	53 13th	26	12th	43·1	33·6	38·5	- 1·6	4	0·81	8	- 4	Cockle Park	3·1	+ 1·6	44	5	21	36·5	+1·1	42·3	+0·7
	p Durham	336	51 13th	20	11th	41·6	30·9	36·5	- 2·1	4	0·44	11	- 1	Durham	2·5	+ 1·2	35	4	15	•	•	•	•
	p Rounton	249	50 14th	19	11th	40·9	28·3	34·9	- 3·6	5	0·29	7	- 6	Rounton	•	•	•	6	16	37·7	•	•	•
	a West Witton	605	49 12, 13	19	11, 12	41·4	29·7	35·8	—	5	0·36	9	—	West Witton	•	•	•	5	13	39·0	•	43·7	•
	p Scarborough	100	50 14th	34	11th	45·0	37·9	41·6	+ 1·2	2	0·20	5	- 9	Scarborough†	2·2	+ 1·1	30	•	•	•	•	47·1	•
	p York	56	51 13th	23	11th	42·6	31·1	37·1	- 2·4	4	0·24	6	- 7	York	1·6	+ 0·8	22	•	•	40·0	- 1·3	45·4	+0·6
b, South	*a* Spurn Head	26	47 13, 14	33	11th	43·4	37·4	40·5	- 0·2	2	0·12	3	- 9	Spurn Head	0·4	—	5	•	•	•	•	•	•
	a Lincoln	58	49 13, 14	23	11th	43·9	30·7	37·6	- 1·4	3	0·16	4	- 9	Lincoln	•	•	•	6	16	37·2	- 3·3	45·0	+0·1
	a Fulbeck	180	49 14th	21	11th	41·9	30·1	36·2	- 3·0	4	0·13	3	- 10	Rauceby	1·3	0·0	18	•	•	38·8	- 0·6	46·2	+0·3
														Skegness	1·8	+ 0·2	24	•	•	•	•	•	•
3. ENGLAND, E.																							
	p Cromer	190	50 13th	30	12th	45·3	35·4	40·6	+ 0·1	5	0·13	3	- 10	Cromer	1·4	0·0	19	•	•	•	•	•	•
	p Little Massingham	280	49 9th	26	12, 13	44·4	29·3	37·2	- 2·0	5	0·13	3	- 15	Lit. Massingham	0·9	- 0·3	12	•	•	•	•	•	•
	a Yarmouth	13	49 13, 14	29	13th	44·7	35·6	40·3	0·0	2	0·35	9	- 7	Yarmouth	1·1	—	14	4	25	41·7	+0·4	47·3	+1·4
	a Norwich	93	49 14th	28	12th	44·0	33·7	39·1	- 0·6	6	0·34	9	- 8	Norwich	1·0	—	13	5	22	38·0	•	•	•
	a Geldeston	37	50 13, 14	26	12th	45·3	32·3	39·1	- 1·3	7	0·45	12	- 3	Geldeston	1·2	- 0·3	16	•	•	•	•	•	•
	p Cambridge	41	51 14th	25	12th	43·3	32·3	38·0	- 1·8	5	0·15	4	- 9	Cambridge	1·4	+ 0·1	18	7	20	39·4	- 2·2	45·9	+0·1
	a Clacton-on-Sea	54	49 14th	30	13th	43·6	35·7	39·8	- 0·7	4	0·81	21	+ 9	Clacton	1·6	+ 0·1	21	2	26	40·7	- 3·3	46·5	- 1·3
	a Rothamsted	424	50 14th	27	12th	43·0	32·9	38·2	- 1·5	4	0·16	4	- 14	Rothamsted	1·6	+ 0·2	21	5	20	39·8	•	•	•
	p Tottenham	51	52 14th	31	12th	44·3	35·3	40·0	0·0	1	0·01	0	—	Tottenham	1·4	—	18	•	•	•	•	46·6	- 0·5
4. MIDLAND COUNTIES.																							
a, North	*a* Harrogate	479	49 12, 13	26	11th	41·4	31·9	36·8	- 1·8	4	0·32	8	- 11	Harrogate	2·9	+ 1·6	40	5	19	39·2	- 1·5	42·9	+0·4
	p Sheffield	429	52 13, 14	27	11th	43·4	34·6	39·2	—	4	0·33	8	—	Sheffield	1·1	- 0·1	15	•	•	39·6	- 0·9	45·2	+0·5
	p Buxton	987	47 13, 14	21	11th	40·4	31·3	36·0	- 0·9	4	0·60	15	- 23	Buxton	1·2	—	16	4	17	37·5	- 2·3	44·5	- 0·2
b, East	*a* Bawtry	65	51 13th	21	11th	42·1	30·4	36·5	- 2·6	3	0·10	3	- 12	Worksop	1·4	+ 0·4	19	5	15	37·6	•	43·6	•
	a Nottingham	82	51 14th	24	12th	42·6	31·9	37·5	- 2·2	4	0·17	4	- 12	Nottingham	0·6	- 0·3	8	6	18	37·6	- 2·6	43·2	- 0·1
	p Birmingham, Edgbn.	536	49 14th	30	10th	42·4	33·6	38·2	- 1·4	2	0·10	3	- 15	Birmingham	0·8	- 0·1	11	5	16	41·8	- 0·5	46·8	+0·5
	a Raunds	203	52 14th	24	12th	44·0	31·3	37·9	- 0·8	1	0·05	1	- 15	Raunds	•	•	•	7	16	41·5	•	48·6	•
	p Oxford	208	51 14th	27	12th	44·1	33·3	38·9	- 1·5	1	0·01	0	- 16	Oxford	2·6	+ 1·2	34	3	18	•	•	•	•
c, West	*a* Cheadle (N. Staffs.)	646	48 13th	23	11th	43·1	32·6	38·1	- 0·3	2	0·28	7	- 15	Cheadle	•	•	•	6	21	•	•	•	•
	p Shrewsbury	191	52 13th	26	10th	45·3	32·6	39·2	- 1·7	3	0·12	3	- 11	Shrewsbury	•	•	•	5	22	•	•	•	•
	a Hereford§	291	53 13th	25	12th	44·7	32·4	38·8	- 1·3	1	0·12	3	- 16	Malvern§	2·7	—	36	5	20	39·4	•	45·1	•
	a Clifton	229	50 13, 14	29	12th	44·9	34·6	40·0	- 1·8	2	0·15	4	- 23	Clifton	1·8	—	23	4	26	•	•	•	•
5. ENGLAND, S.E.																							
	a Marlborough	424	49 13, 14	24	12th	42·4	32·3	37·6	- 2·1	3	0·17	4	- 18	Worthing	1·6	- 0·2	20	4	21	41·8	- 1·8	48·3	+0·7
	p Salisbury (Wilton)	180	51 12, 13	25	11th	44·5	30·9	38·0	- 2·4	3	0·10	3	- 23	Marlborough	2·6	+ 0·4	21	4	19	40·5	•	47·3	•
	a Wisley, Surrey	150	51 14th	27	12th	43·7	33·7	38·9	- 1·9	3	0·30	8	- 7	Salisbury	•	•	•	4	24	40·2	•	•	•
	a Tunbridge Wells	354	49 14th	27	12th	44·0	32·7	38·6	- 2·4	2	0·87	22	+ 1	Wisley	1·1	- 0·3	14	6	16	41·2	- 1·4	48·5	+0·3
	a Margate	53	50 14th	33	12, 13	43·3	37·9	41·8	- 0·4	4	0·51	13	- 1	Tunbridge Wells	1·2	- 0·2	16	5	20	42·5	+0·5	47·0	•
														Margate	1·2	- 0·2	16	2	29	42·7	- 0·8	47·0	+1·3
	a Dungeness	21	48 13, 14	29	13th	45·1	36·9	41·2	- 1·4	2	0·91	23	+ 6										
	p St. Leonards	178	49 14th	32	12th	44·6	35·7	40·3	- 2·3	4	1·24	32	+ 13	St. Leonards	2·3	+ 0·5	29	3	27	41·1	•	46·9	•
	p Southampton	64	52 14th	28	12th	44·9	34·3	39·8	- 2·9	2	0·08	2	- 21	Southampton	2·0	+ 0·4	26	4	16	•	•	•	•
	a Ventnor	59	50 14th	33	12th	45·7	37·1	41·6	- 3·2	3	0·17	4	- 16	Ventnor	1·7	- 0·1	22	•	•	•	•	•	•
LONDON.	*p* Richmond (Kew Obs.)	18	50 14th	29	12th	43·5	34·2	39·0	- 2·3	2	0·17	4	- 10	Richmond	1·3	+ 0·1	17	5	20	39·2	- 3·3	46·2	- 0·3
	a Westminster	27	52 14th	29	12th	45·2	35·2	40·4	- 1·9	3	0·26	7	- 6	Westminster	0·8	+ 0·2	10	3	27	•	•	•	•
	ag Greenwich	155	51 14th	28	12th	44·0	34·6	39·5	- 0·7	3	0·30	8	- 3	Greenwich	1·0	- 0·1	13	5	22	•	•	•	•
	a Hampstead	450	49 14th	28	12th	42·3	32·6	37·6	—	4	0·18	5	—	Hampstead	1·2	—	16	7	19	•	•	•	•
	ag Camden Square	110	51 14th	29	12th	43·9	34·4	39·3	- 2·1	3	0·23	6	- 9	Camden Square	0·8	+ 0·1	10	4	25	•	•	•	•
7. *a*, ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	48 13, 14	25	10th	42·0	32·4	37·4	- 2·1	5	0·56	14	- 13	Aspatria	1·9	+ 0·9	27	4	18	39·7	•	44·9	•
	p Newton Rigg	558	49 13, 14	19	11th	40·7	29·6	35·4	- 2·6	5	0·43	11	- 16	Newton Rigg	1·3	+ 0·3	18	6	16	39·3	- 1·2	43·9	+0·8
	p Stonyhurst	377	49 13th	24	10th	41·4	31·9	36·8	- 2·9	4	1·31	33	+ 3	Stonyhurst	1·6	+ 0·8	22	3	20	•	•	•	•
	p Blackpool	60	49 13th	27	11th	43·1	33·6	38·5	- 2·2	5	0·80	20	0	Blackpool	1·8	+ 0·8	25	4	13	42·3	•	47·7	•
	a Southport	37	48 13th	25	11th	42·6	33·7	38·3	- 2·5	4	0·67	17	- 3	Southport	1·6	+ 0·6	22	4	19	37·6	- 2·5	44·3	+1·1
														Hoylake	0·9	- 0·3	12	•	•	•	•	•	•
	a Liverpool (Bidston)	188	50 13th	30	10th	44·0	36·4	40·4	- 1·1	4	0·24	6	- 10	Liverpool	0·9	—	12	3	23	•	•	•	•
	a Hawarden Bridge	22	52 13th	23	12th	45·1	33·7	39·6	- 2·5	3	0·20	5	- 9	Manchester (City)	0·0	- 0·2	0	5	24	39·1	- 1·9	46·6	+1·4
	p Manchester (Whit. Pk.)	126	49 13, 14	31	11th	42·3	35·3	38·9	- 2·9	4	0·76	19	- 1	Whitworth Park	•	•	•	•	•	•	•	•	•
b, NORTH WALES.																							
	p Llandudno	16	52 14th	28	10th	45·4	37·9	41·8	- 1·6	4	0·54	14	- 5	Llandudno	1·9	+ 0·7	26	•	•	•	•	•	•
	a Holyhead	19	53 13th	31	11, 12	46·9	38·0	42·6	- 1·5	4	0·71	18	- 8	Holyhead	2·7	—	36	2	19	•	•	•	•
	a Bettws-y-Coed	148	— —	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed	•	•	•	•	•	•	•	•	•
	a Aberdovey	22	250 13th	33	10, 11	46·1	36·4	41·4	—	4	0·75	19	—	Aberdovey	2·3	+ 1·1	30	•	•	•	•	•	•

† Earth temperature at 3 ft. § The temperature on the grass refers to Hereford. ‖ Dew.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean	Earth 4 ft. Deviation from average
8. a, SOUTH WALES	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	48	13th	29	10th	44·7	36·1	40·6	—	5	0·53	13	—	Aberystwyth	2·3	+ 1·1	30	•	•	•	•	•	•
a Rhayader	767	48	13th	25	12th	42·6	32·0	37·5	—	4	0·54	14	—	Rhayader	2·2	—	29	4	20	•	•	•	•
a St. Ann's Head	149	50	13, 14	35	10, 11	45·9	39·3	42·7	- 2·5	2	0·24	6	- 22	St, Ann's Head	2·6	+ 1·3	34	•	•	•	•	•	•
p Cardiff	202	51	13th	32	12th	45·0	35·1	40·3	- 1·1	3	0·38	10	- 21	Cardiff	3·5	—	45	5	23	42·2	-0·2	47·8	+1·6
b, ENGLAND S.W.																							
a Bath	66	52	14th	26	12th	45·9	33·9	40·1	- 1·3	1	0·22	6	- 15	Bath	•	•	•	•	•	42·1	-1·8	47·7	0·0
a Shaftesbury	722	47	14th	30	12th	42·4	33·6	38·2	- 1·9	1	0·20	5	- 17	Shaftesbury	•	•	•	•	•	40·6	•	46·6	•
a Arlington	613	48	13th	29	12th	44·3	35·7	40·2	- 1·3	4	0·32	8	- 33										
a Hartland Quay	100	50	12–14	37	12th	47·3	41·3	44·4	—	2	0·24	6	—										
a Newquay	190	50	13, 14	31	12th	48·7	37·9	42·5	- 3·4	2	0·39	10	- 17	Newquay	2·3	+ 0·7	29	3	24	45·2	•	49·9	•
a Cullompton	202	50	13, 14	25	12th	45·0	33·3	39·4	- 2·4	2	0·48	12	- 15	Cullompton	2·2	+ 1·0	28	6	19	41·8	•	•	•
a Portland Bill	19	51	14th	33	12th	46·6	38·1	42·5	- 2·7	1	0·12	3	- 15	Weymouth	3·1	—	39	•	•	•	•	•	•
p Plymouth	116	50	13, 14	32	12th	45·4	36·4	41·1	- 3·5	2	0·44	11	- 19	Plymouth	2·6	+ 1·0	33	5	24	41·6	-3·8	48·9	•
a Falmouth	167	52	13th	31	12th	47·0	35·3	41·4	- 4·2	3	0·36	9	- 29	Falmouth	2·3	+ 0·6	29	3	24	46·0	•	50·7	•
9. IRELAND, N.																							
a, West *a* Malin Head	208	50	13th	35	10, 11	45·3	37·1	41·4	- 1·0	6	0·48	12	- 7	Malin Head	0·9	—	13	•	•	•	•	•	•
a, West *a* Blacksod Point	327	50	13th	34	9th	45·9	38·6	42·4	- 1·5	4	0·48	12	- 22	Markree Castle	1·5	+ 0·4	21	3	18	42·3	•	47·8	•
a, West *p* Markree Castle	122	52	13th	24	11th	45·4	34·4	40·1	- 0·5	4	0·56	14	- 13										
b, East *p* Armagh	196	51	13th	24	11th	44·4	33·3	39·1	- 1·2	4	0·68	17	- 1	Armagh	2·0	+ 0·8	27	4	18	41·8	+0·2	46·6	+1·2
b, East *a* Donaghadee	101	51	13th	31	10, 11	45·0	35·4	40·4	- 1·4	4	0·55	14	- 4										
10. IRELAND, S.																							
p Dublin, City	47	53	13th	27	11th	44·1	34·7	39·6	- 3·2	3	0·48	12	- 2	Dublin City	•	•	•	3	23	•	•	•	•
a Birr Castle	175	51	13th	23	12th	43·3	31·1	37·4	- 3·5	3	0·28	7	- 12	Trinity Coll.	•	•	•	5	15	42·9	+0·3	47·4	+1·6
a Kilkenny	212	55	13th	25	10th	44·9	31·1	38·3	- 2·8	3	0·24	6	- 14	Phœnix Park	2·3	+ 0·7	31	5	13	•	•	•	•
a Waterford	20	51	13th	27	10th	45·9	31·7	39·1	- 3·9	3	0·02	1	- 25	Birr Castle	1·8	+ 0·4	24	6	17	•	•	•	•
a Seskin, Carrick-on-Suir	541	53	13th	29	10th	44·6	33·6	39·3	—	4	0·18	5	—	Seskin	3·4	—	45	5	19	•	•	•	•
a Cahir	199	53	13th	27	11, 12	43·4	33·6	38·7	- 2·6	3	0·46	12	—										
a Foynes	50	52	13th	28	11th	46·0	35·7	41·1	- 2·0	6	0·39	10	- 17										
a Cahirciveen (Val. Obs.)	30	52	13th	33	12th	47·3	38·6	43·1	- 2·5	5	0·26	7	- 30	Cahirciveen	1·9	+ 0·5	25	1	27	•	•	•	•
a Killarney	174	54	13th	29	11th	46·0	34·3	40·4	- 3·3	4	0·53	13	- 28	Ballinacurra	2·0	+ 0·6	26	•	•	•	•	•	•
a Roche's Point	32	51	13th	34	11–13	45·7	36·4	41·2	- 3·7	6	0·17	4	- 26										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's	131	51	13, 14	38	10th	48·0	41·0	44·6	- 3·1	2	0·12	3	- 24	Scilly	2·2	+ 0·4	28	•	•	•	•	•	•
a Jersey, St. Aubins	25	53	14th	34	13th	47·9	40·0	44·1	- 1·5	4	0·20	5	- 20	St. Heliers	2·6	+ 0·7	33	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	14th	37	13th	48·4	41·9	45·3	- 0·4	5	0·18	5	- 23	Guernsey†	2·2	+ 0·5	28	0	31	45·6	-1·0	49·9	+0·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 15th, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.		Mid Time.		Highest Gust. Speed.		Date.	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)**	188	16	5	13, 14	3	8, 9, 11 to 14	48	76	36	5	0	WSW.	24	13	24	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen	153	105	52	—	—	14, 15	3	38	101	26	—	W.	12	15	2	22	15	2	30
Edinburgh	486	39	31	—	—	12, 13	6	96	47	19	0	W.	13	12	18	20	4	20	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	9, 13 to 15	18	53	44	53	0	WNW.	14	15	1	23	14	1	10
Paisley	188	81	52	—	—	—	—	34	82	52	0	WNW.	10	12	24	21	13	0	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	32	88	38	10	—	8	14	12	16	13	21	35
South Shields	72	61	12	—	—	13	1	43	75	49	0	WNW.	11	13	7	18	13	6	5
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.)	73	60	—	—	—	9, 10	21	56	84	4	0	NE.	13	9	20	—	—	—	—
Gorleston	52	42	‡	—	—	9	8	72	84	4	0	NE. by N.	13	9	21	17	9	21	55
Shoeburyness	103	90	‡	—	—	—	—	63	104	1	0	WNW.	10	14	23	19	14	15	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	36	74	58	0	N.	8	10	7	17	14	12	30
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	24	110	34	0	—	8	9	21	19	9	20	30
Brighton	261	53	6	—	—	—	—	48	79	27	14	—	8	9	24	15	10	0	15
Richmond (Kew Obs.)	82	65	22	—	—	—	—	26	94	48	0	N.	8	9	21	13	9	21	15
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	14	1	33	55	79	0	WNW.	12	14	17	20	14	17	15
Fleetwood (Cup Anr.)	109	44	—	14, 15	11	13 to 15	17	42	86	12	0	WNW.	21	14	20	—	—	—	—
Southport	80	62	48	14, 15	10	13 to 15	23	53	81	1	0	WNW.	20	14	19	31	14	15	50
Holyhead	60	40	‡	14	4	9, 13 to 15	41	59	50	14	0	WNW.	18	14	16	24	14	16	10
8. ENGLAND, S.W.																			
Pencennis Castle§	256	65	28	—	—	9 to 11	10	52	63	43	0	ENE.	14	10	22	22	9	11	25
Plymouth	185	88	2	—	—	—	—	34	81	54	0	—	11	9	12	19	9	11	30
Lyme Regis	556	64	‡	—	—	10, 14	2	84	33	50	0	—	12	10	9	16	10	9	30
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	—	—	9, 12 to 15	40	52	59	17	0	W.	14	14	12	—	—	—	—
Quilty	100	40	‡	—	—	14, 15	15	67	66	3	17	—	15	14	19	23	14	20	15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	56	67	31	14	NW.	10	14	19	16	9	5	20
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly	150	12	‡	—	—	9, 14	18	43	74	33	0	NNW.	13	9	5	20	9	5	45

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTIETH WEEK of 1917—December 9th to December 15th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	22	79·7	74·2	77·1	− 0·1	6	− 3	31	+ 4	6	0	0·93	23	− 15	0·7	+0·2	11	1015
Eastern.																			
1. SCOTLAND, EAST ...	52	13	78·3	72·2	75·3	− 1·1	0	− 9	41	+ 6	3	− 1	0·26	7	− 10	2·2	+1·2	32	1019
2. ENGLAND, N.E.	53	19	79·0	73·1	76·2	− 1·2	2	− 9	36	+ 8	3	− 1	0·27	7	− 6	2·1	+0·9	28	1022
3. ENGLAND, EAST ...	52	25	79·8	73·9	76·9	− 0·7	6	− 7	32	+ 4	4	0	0·28	7	− 8	1·3	0·0	18	1022
4. MIDLAND COUNTIES ...	53	21	79·4	73·3	76·4	− 0·9	4	− 9	36	+ 5	2	− 2	0·14	4	− 14	1·6	+0·4	21	1024
5. ENGLAND, S.E.	52	24	79 9	74·4	77·3	− 1·3	7	− 13	29	+ 10	3	− 1	0·45	11	− 8	1·6	+0·1	20	1023
Western.																			
6. SCOTLAND, WEST ...	50	20	78·9	73·8	76·4	− 1·4	2	− 11	32	+ 11	5	0	1·02	26	− 6	1·7	+0·7	23	1022
7. ENGLAND, N.W.	53	19	79·4	74·2	76 9	− 1·2	4	− 10	30	+ 9	4	− 1	0·59	15	− 8	1·7	+0·7	23	1024
8. ENGLAND, S.W.	52	25	80 2	74·8	77·6	− 1·6	8	− 15	27	+ 13	2	− 3	0·33	8	− 23	2·4	+1·0	31	1026
9. IRELAND, NORTH ...	52	23	80·2	74·7	77·5	− 0·8	8	− 7	28	+ 8	4	− 1	0·51	13	− 10	1·8	+0·5	24	1023
10. IRELAND, SOUTH ...	55	23	80 3	74·2	77·4	− 1·8	9	− 14	32	+ 17	4	− 1	0·31	8	− 18	2·0	+0·5	26	1027
11. ENGLISH CHANNEL ...	53	34	81·9	78·0	80·1	− 1·1	23	− 13	3	− 1	4	− 1	0·17	4	− 22	2·3	+0·6	29	1026

THE SEASON (Winter).—Aggregates, &c., for the Period of 2 Weeks, December 2nd to December 15th, 1917.

0. SCOTLAND, NORTH ...	52	18	79·6	74·1	77·0	+ 0·1	10	− 8	63	+ 7	12	0	2·45	62	− 18	0·5	−0·1	8	1014
Eastern.																			
1. SCOTLAND, EAST ...	55	8	78·5	72·5	75·6	− 0·8	1	− 16	79	+ 10	7	− 2	0·56	15	− 26	2·0	+0·9	30	1017
2. ENGLAND, N.E.	53	19	79·1	73·2	76·3	− 1·2	5	− 16	71	+ 17	4	− 4	0·36	9	− 21	2·2	+0 9	31	1021
3. ENGLAND, EAST ...	52	21	79·7	73·2	76·5	− 1·2	11	− 16	74	+ 19	6	− 3	0·38	10	− 21	2·3	+1·0	30	1023
4. MIDLAND COUNTIES ...	54	21	79·5	73·0	76·3	− 1·1	9	− 18	76	+ 15	5	− 4	0 29	8	− 28	1·9	+0·7	25	1024
5. ENGLAND, S.E.	52	20	80·0	73·8	77·1	− 1·6	15	− 26	66	+ 28	6	− 3	0·76	19	− 24	2·4	+0·9	31	1025
Western.																			
6. SCOTLAND. WEST ...	52	19	79·5	74·5	77·1	− 0·8	10	− 17	57	+ 17	11	+ 1	2·07	53	− 19	1·5	+0·5	20	1021
7. ENGLAND, N.W.	54	19	79·8	74·8	77·4	− 0·8	12	− 17	53	+ 12	9	− 1	1·11	28	− 21	1·5	+0·5	20	1024
8. ENGLAND, S.W.	54	22	80·5	74·8	77·8	− 1·5	19	− 29	55	+ 28	5	− 5	0 73	18	− 49	2·1	+0·6	27	1026
9. IRELAND, NORTH ...	54	23	80·5	75·3	78·0	− 0·3	19	− 11	50	+ 9	10	− 1	1·21	31	− 19	1·3	0·0	18	1021
10. IRELAND, SOUTH ...	56	20	81·1	75·3	78·3	− 1·0	34	− 14	43	+ 13	9	− 1	1·11	28	− 27	1·5	−0·1	18	1025
11. ENGLISH CHANNEL ...	53	31	82·0	77·7	80·0	− 1·3	48	− 27	9	+ 2	7	− 4	0·63	16	− 43	2·3	+0·5	28	1027

THE YEAR 1917.—Aggregates, &c., for the Period of 50 Weeks, December 31st, 1916, to December 15th, 1917.

0. SCOTLAND, NORTH ..	81	10	83·5	77·6	80·5	− 0·2	2040	− 51	856	+143	245	+ 9	53·72	1364	+123	3·2	0·0	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	84·0	76·7	80·2	− 0·7	2164	−147	1115	+278	191	− 8	29·18	745	− 14	3·7	0·0	30	1012
2. ENGLAND, N.E.	87	5	85·1	78·1	81·4	− 0·5	2758	+ 88	919	+308	172	− 8	22·45	570	− 39	4·0	−0·1	33	1014
3. ENGLAND, EAST ..	93	5	85·8	78·4	82·0	− 0·4	3129	+ 58	934	+296	168	− 8	23·89	611	+ 27	4·5	0·0	37	1015
4. MIDLAND COUNTIES ...	89	4	85·8	77·9	81·7	− 0·4	3006	+ 45	983	+283	168	− 7	26·19	668	+ 16	3·8	−0·2	31	1015
5. ENGLAND, S.E.	90	4	86·1	78·9	82·4	− 0·6	3220	− 86	804	+323	159	−13	28 01	713	+ 42	4·5	−0·1	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·7	78·2	81·3	− 0·4	2529	− 39	787	+242	210	+ 1	44·46	1130	− 13	3·7	−0·1	30	1013
7. ENGLAND, N.W.	82	5	85·1	78·7	81·8	− 0·4	2815	+ 10	786	+299	191	− 2	34·17	872	+ 11	3·9	−0 1	32	1014
8. ENGLAND, S.W.	86	4	85·5	79·1	82·2	− 0·7	2992	−154	692	+313	180	−13	35·02	890	− 56	4 3	−0·1	35	1016
9. IRELAND, NORTH ...	76	7	84·8	78·6	81·6	− 0·5	2595	− 86	629	+177	233	+ 3	38·50	980	+ 52	3·4	−0·2	27	1013
10. IRELAND, SOUTH ...	77	9	85·9	79·3	82·5	− 0·4	3047	− 70	566	+217	215	+11	34·32	873	− 93	3·8	−0·3	31	1016
11. ENGLISH CHANNEL ...	83	22	86·5	81·0	83·6	− 0·7	3518	−235	356	+239	189	−12	29·90	759	− 40	5·0	−0·3	41	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: December 20th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTIETH YEAR. *Vol. XXXIV (New Series.)* } No. 51.

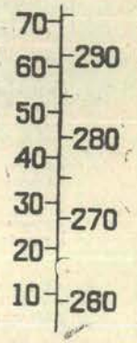
THE FIFTY-FIRST WEEK OF 1917.

SUNDAY, DECEMBER 16TH, TO SATURDAY, DECEMBER 22ND.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

The depression which appeared off the coast of Ireland on Saturday, December 15th, moved to the south-east, and during its passage there were gales over a wide area. By Monday afternoon the centre of the depression had reached the Gulf of Lyons, and for the rest of the week the British Isles were crossed by a belt of high pressure, extending from mid-Atlantic to Central Europe. Temperature was persistently low and fogs were frequent. The greatest strength of the gale was felt in the south-west of England. Much damage was done at Newquay where the wind-force was estimated at 10 on the Beaufort Scale. According to the tube-anemograph at Scilly (42 ft. above ground) there were 24 hours in each of which the wind averaged more than 17 m/s., the conventional limit for a gale and the highest gust reached 43 m/s., or 96 m/hr. Telegraphic communication was interrupted in many parts of Ireland.



Temperature Scales.

The depression brought rain and snow with it. In many places there was no more precipitation during the rest of the week, but the snow lay unmelted. In Scotland and in parts of Ireland there were rain and snow in the middle of the week. In most districts the departure from the normal rainfall was not great; in England South-West the general fall was only 9 mm. as compared with the normal 22 mm.

Low temperatures were recorded in all districts, maxima below the freezing point being common. The minimum, 262 a., was recorded in the screen at Balmoral on the 22nd. The corresponding reading of the grass minimum thermometer was 259 a. Low mean temperatures were most notable in the south. The District Values for Districts 4 and 5 (272·5 a. and 273·3 a.) have not been so low in the 51st week of the year since 1891, when they were 269·9 a. and 273·0 a. respectively. No 51st week has been so cold in District 8, England South-West, since the inauguration of the Weekly Weather Report—in 1878.

Halo phenomena were not very common. They were reported at Aberdeen on the 16th and 19th, at Oxford on the 17th, 19th and 21st, and at Aberdovey on the 21st.

A remarkable magnetic storm was recorded by the magnetographs at the observatories on the 16th and 17th. Displays of aurorœ were witnessed on the evening of the 16th in all parts of Scotland and in Ireland as far south as Seskin, near Waterford. At Southport similar observations were made early next morning.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	10	4·1	5	2·9	7	2·3	2	4·3	12	5·1	5	3·0	9	5·0	5	3·5
North	16	6·4	13	3·9	15	5·1	16	3·8	7	13·9	13	9·4	16	7·3	19	7·4
West	26	4·5	16	5·7	4	1·8	1	1·2	9	3·8	6	6·6	16	3·5	5	3·4
East	1	2·5	7	4·5	18	4·9	13	2·7	14	7·4	17	6·6	8	8·7	17	4·2
Calm	1	—	2	—	5	—	10	—	3	—	5	—	1	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Very deficient	Very deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate	Moderate

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

WINTER. 3 weeks from Dec. 2nd, 1917.	Warmth ...	0, 2, 1	0, 2, 1	0, 1, 2	0, 1, 2	0, 1, 2	0, 0, 3	0, 0, 3	0, 2, 1	0, 0, 3	0, 2, 1	0, 1, 2	0, 0, 3
	Rainfall ...	0, 2, 1	1, 0, 2	1, 0, 2	0, 2, 1	0, 1, 2	0, 2, 1	0, 3, 0	0, 2, 1	0, 0, 3	0, 2, 1	0, 2, 1	0, 1, 2
	Sunshine ...	1, 1, 1	3, 0, 0	2, 1, 0	2, 1, 0	2, 1, 0	1, 2, 0	2, 1, 0	1, 2, 0	2, 1, 0	2, 0, 1	1, 1, 1	0, 3, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914.
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s = 2·24 miles per hour.

(15070—19.) Wt. 153—442. 450. 12/17. D & S. G. 17/36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Mean for the Week. Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	46	18th	25	17th	40·3	29·0	34·9	− 5·4	7	1·18	30	+ 8										
a, Islands .. p Deerness	160	44	18th	30	17th	39·4	32·3	36·0	—	5	0·71	18	− 1	Deerness	0·9	+ 0·3	15	•	•	•	•	•	•
a, Islands .. a Stornoway	51	48	18th	26	17th	40·0	31·0	35·7	− 4·5	7	1·06	27	− 1	Stornoway	0·9	+ 0·2	15	•	•	•	•	•	•
a, Islands .. a Castlebay, Barra Isd.	37	48	18th	27	17th	43·0	34·6	39·0	− 3·7	6	0·75	19	—	Castlebay	1·1	—	17	•	•	•	•	•	•
b, Mainland. a Wick	81	45	18th	?26	17th	38·7	29·4	34·2	− 5·0	6	0·45	11	− 3	Fort Augustus..	0·8	+ 0·4	13	•	•	•	•	•	•
b, Mainland. p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
b, Mainland. p Glencarron	500	45	18th	21	17th	36·7	26·9	32·0	− 6·0	6	1·90	48	0										
b, Mainland. p Fort Augustus..	68	46	18, 19	21	17th	39·1	26·9	33·2	− 5·3	5	0·84	21	− 6										
b, Mainland. p Fort William	171	46	18, 19	22	21st	38·9	27·3	33·3	− 6·6	5	1·22	31	− 15										
1. SCOTLAND, E.																							
a Nairn	82	45	18th	25	17th	37·9	28·6	33·4	− 4·3	5	0·76	19	+ 9	Nairn	1·2	—	19	•	•	•	•	•	•
p Gordon Castle	101	46	18th	26	16th	39·9	29·1	34·7	− 4·0	4	0·39	10	− 2	Gordon Castle..	1·2	—	19	•	•	•	•	•	•
a Aberdeen	46	45	18th	26	17th	38·9	30·0	34·6	− 4·0	4	0·47	12	− 3	Aberdeen	0·6	− 0·4	9	6	22	•	•	41·3	•
a Balmoral	930	41	18th	12	22nd	35·4	21·1	28·5	− 6·4	5	0·87	22	+ 7	Balmoral	•	•	•	7	7	•	•	•	•
p Crieff	432	44	18, 19	18	22nd	38·0	24·1	31·3	− 6·3	3	0·88	22	+ 1	Crathes ..	0·6	− 0·4	9	7	14	34·9	− 3·5	40·2	− 0·4
a Dundee	244	42	18th	21	22nd	37·7	26·6	32·4	− 5·3	3	1·14	29	+ 17	Dundee ..	2·4	—	36	7	17	35·1	•	•	•
a Leith	18	44	18th	23	22nd	39·1	30·9	35·2	− 4·8	5	1·35	34	+ 25	Leith ..	•	•	•	5	19	•	•	•	•
a Edinburgh	441	44	19th	22	22nd	38·4	27·9	33·4	− 5·6	5	1·21	31	+ 21	Edinburgh ..	2·0	+ 0·7	30	5	19	•	•	•	•
a West Linton	769	42	19, 20	15	22nd	35·9	24·0	30·2	− 4·7	3	1·33	34	—	West Linton ..	0·9	—	13	6	12	•	•	•	•
p Marchmont	498	42	20th	23	17, 18, 22	37·1	27·1	32·3	− 4·8	5	1·03	26	+ 13	Marchmont ..	1·3	+ 0·3	19	•	•	•	•	•	•
6. a, SCOTLAND, W																							
a Ford (Argyll)	149	46	18th	19	22nd	39·6	27·1	33·6	—	5	0·89	23	—	Ford (Argyll) ..	•	•	•	5	14	37·4	•	43·2	•
p Glasgow Observatory	180	43	19th	24	22nd	38·6	28·9	33·9	− 5·6	4	1·36	35	+ 15	Glasgow..	0·8	+ 0·3	12	4	16	•	•	•	•
p Rothesay	170	45	19th	25	17th	39·9	29·6	35·0	− 5·4	6	0·91	23	− 4	Rothesay	1·6	—	24	5	19	36·7	•	43·4	− 0·5
a Kilmarnock	90	46	19th	20	22nd	38·1	28·0	33·3	− 5·6	6	1·04	26	+ 6	Kilmarnock ..	1·0	—	15	•	•	37·1	•	43·3	•
a Colmonell	170	45	19, 20	20	22nd	40·6	29·9	35·5	− 5·0	6	1·15	29	+ 2	Colmonell ..	•	•	•	4	16	•	•	•	•
p Cally Gatehouse	120	45	20th	20	22nd	38·4	28·9	33·8	− 5·3	4	1·20	30	+ 3	Dumfries ..	2·0	—	29	5	13	36·9	•	42·4	•
a Dumfries	160	45	20th	22	22nd	39·0	29·1	34·3	− 4·4	4	0·65	17	− 2	Eskdalemuir ..	2·5	—	36	6	9	•	•	•	•
a Eskdalemuir	794	42	19th	14	22nd	37·0	24·7	31·1	—	4	1·31	33	—										
b, I. OF MAN p Douglas	277	46	19, 20	27	17th	41·6	32·9	37·4	− 4·6	4	1·29	33	+ 9	Douglas ..	1·9	+ 0·7	27	3	23	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle	210	42	19th	26	17, 22	39·3	30·1	34·9	− 3·5	4	1·67	43	+ 29										
a North .. a Tynemouth	71	43	19th	27	18th	39·7	31·6	35·8	− 3·3	4	0·83	21	+ 11	Cockle Park ..	1·0	− 0·4	14	5	21	34·5	− 3·7	40·8	− 0·6
a North .. p Durham	336	41	20th	24	17, 18, 22	37·9	29·0	33·6	− 4·0	3	1·35	34	+ 24	Durham ..	0·9	− 0·3	13	4	19	•	•	•	•
a North .. p Rounton	249	39	21st	25	17th	36·4	29·1	32·9	− 4·7	4	0·81	21	+ 11	Rounton ..	•	•	•	7	16	36·8	•	•	•
a North .. a West Witton	605	42	19, 20	24	17, 22	37·6	29·7	33·8	—	3	1·34	34	—	West Witton ..	•	•	•	5	21	37·7	•	42·5	•
a North .. a Scarborough	100	43	21st	32	18th	41·1	34·4	37·9	− 1·4	3	0·40	10	− 1	Scarborough† ..	0·8	− 0·2	11	•	•	•	•	46·6	•
a North .. p York	56	39	19, 21	27	17, 22	37·4	29·3	33·5	− 5·0	2	0·31	8	− 2	York ..	0·8	+ 0·1	11	•	•	38·4	− 2·7	43·9	− 0·4
b, South .. a Spurn Head	26	41	21st	29	20th	38·4	31·7	35·2	− 4·4	1	0·39	10	+ 1	Spurn Head ..	2·0	—	28	•	•	•	•	•	•
b, South .. a Lincoln	58	39	21st	23	20th	35·9	27·8	32·0	− 6·0	3	0·63	16	+ 6	Lincoln ..	•	•	•	7	16	35·5	− 5·1	43·3	− 1·2
b, South .. a Fulbeck	180	37	21st	22	19-21	35·6	25·7	30·9	− 7·2	2	0·26	7	− 4	Rauceby ..	1·7	+ 0·5	23	•	•	36·6	− 4·3	44·9	− 0·4
														Skegness ..	2·5	+ 1·0	34	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	42	21st	25	20th	39·8	29·7	34·9	− 4·1	3	0·40	10	+ 2	Cromer ..	2·8	+ 1·2	38	•	•	•	•	•	•
p Little Massingham	280	37	20, 21	22	19, 20	35·3	26·1	30·9	− 6·9	3	0·36	9	− 2	Lit. Massingham	3·0	+ 1·7	41	•	•	•	•	•	•
a Yarmouth	13	41	16, 21	24	21st	39·7	30·7	35·4	− 3·5	2	0·20	5	− 5	Yarmouth ..	2·8	—	38	6	15	38·4	− 2·4	45·7	+ 0·4
a Norwich	93	40	21st	18	19th	36·4	26·0	31·4	− 6·9	3	0·37	9	− 1	Norwich ..	2·2	—	30	7	15	35·5	•	•	•
a Geldeston	37	40	21st	17	20th	38·9	25·3	32·4	− 6·6	2	0·35	9	0	Geldeston ..	1·8	+ 0·2	24	•	•	•	•	•	•
p Cambridge	41	41	16th	14	19th	34·9	23·9	29·6	− 8·8	1	0·10	3	− 4	Cambridge ..	2·2	+ 0·8	30	7	18	37·4	− 3·9	44·6	− 0·8
a Clacton-on-Sea	54	41	16th	20	20th	37·4	28·3	33·0	− 6·1	2	0·21	5	− 2	Clacton ..	1·8	+ 0·2	24	5	18	37·3	− 6·2	45·1	− 2·2
a Rothamsted	424	40	16th	15	19, 20	34·3	23·3	29·0	− 9·4	3	0·12	3	− 8	Rothamsted ..	2·0	+ 0·6	26	7	13	37·0	•	•	•
p Tottenham	51	42	16th	22	19th	36·9	28·6	32·9	− 6·4	1	0·21	5	—	Tottenham ..	1·4	—	18	•	•	•	•	45·2	− 1·5
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	40	19th	26	18th	36·0	28·9	32·6	− 4·9	3	0·82	21	+ 9	Harrogate ..	1·0	− 0·2	14	7	19	37·8	− 3·0	41·8	− 0·4
a North .. p Sheffield	429	41	19, 20	26	17th	38·0	30·3	34·3	—	3	0·48	12	—	Sheffield..	0·2	− 0·9	3	•	•	37·8	− 2·6	44·1	− 0·2
a North .. p Buxton	987	36	16, 19	22	17, 18, 22	34·6	26·0	30·5	− 5·7	5	0·48	12	− 11	Buxton ..	1·0	—	14	6	16	36·2	− 3·5	43·3	− 0·9
b, East .. a Bawtry	65	36	19, 20	25	18, 19	35·3	27·7	31·7	− 6·3	2	0·53	13	+ 4	Worksop ..	0·5	− 0·4	7	7	18	36·4	•	42·1	•
b, East .. a Nottingham	82	38	20, 21	21	19th	35·9	26·3	31·3	− 7·4	2	0·20	5	− 5	Nottingham ..	0·7	− 0·2	10	6	17	34·7	− 5·4	41·7	− 1·3
b, East .. p Birmingham, Edgbsn.	535	38	16th	24	17th	35·6	27·7	31·8	− 6·8	2	0·41	11	0	Birmingham ..	1·0	+ 0·1	14	7	12	38·0	− 4·3	45·9	− 0·1
b, East .. a Raunds	203	40	16th	13	19th	36·7	23·1	30·2	− 7·4	2	0·10	3	− 7	Raunds ..	•	•	•	7	4	39·1	•	47·2	•
b, East .. p Oxford	208	40	16th	17	19th	34·4	24·9	29·8	− 9·6	3	0·45	11	+ 1	Oxford ..	1·9	+ 0·6	25	6	9	•	•	•	•
c, West .. a Cheadle (N. Staffs.)	646	39	18th	22	17th	35·6	25·6	30·8	− 6·5	1	0·63	16	+ 2	Cheadle ..	•	•	•	7	20	•	•	•	•
c, West .. p Shrewsbury	191	44	16th	21	22nd	—	26·6	—	—	1	0·26	7	− 2	Shrewsbury ..	•	•	•	6	18	•	•	•	•
c, West .. a Hereford§	291	38	21st	17	19th	35·0	23·9	29·7	− 9·4	1	0·15	4	− 8	Malvern§ ..	2·1	—	28	6	13	36·7	•	43·7	•
c, West .. a Clifton	220	39	16th	22	19, 20	36·3	27·6	32·1	− 8·7	1	0·05	1	− 16	Clifton ..	•	•	•	6	20	•	•	•	•
														Worthing ..	2·8	+ 0·9	36	6	19	38·0	− 5·3	46·8	− 0·4
5. ENGLAND, S.E.																							
a Marlborough	424	38	16th	11	19th	34·1	22·6	28·6	− 9·5	2	0·65	17	+ 2	Marlborough ..	1·2	− 0·1	16	7	6	37·4	•	46·0	•
p Salisbury (Wilton)	180	40	16th	17	19, 20	35·4	24·6	30·2	− 8·5	1	0·91	23	+ 6	Salisbury ..	•	•	•	7	16	37·4	•	•	•
a Wisley, Surrey	150	41	16th	16	19th	33·7	24·9	29·5	− 9·7	1	0·63	16	+ 5	Wisley ..	0·5	− 1·0	6	7	6	37·7	− 4·5	45·1	− 0·8
a Tunbridge Wells	354	42	16th	15	20th	35·6	25·0	30·5	− 8·8	2	0·94	24	+ 10	Tunbridge Wells	1·4	− 0·1	18	5	16	39·0	− 2·9	45·5	•
a Margate	53	44	21st	25	20th	40·6	32·3	36·6	− 3·8	5	0·25	6	− 3	Margate ..	1·5	0·0	20	3	22	39·1	− 4·2	45·7	+ 0·3
a Dungeness	21	44	16th	19	21st	39·7	29·0	34·6	− 6·3	4	0·60	15	+ 3										
p St. Leonards	178	43	16th	27	21st	37·7	30·1	34·1	− 6·8	4	0·81	21	+ 8	St. Leonards ..	2·6	+ 0·7	34	6	22	37·5	•	45·6	•
p Southampton	64	43	16th	20	20th	36·6	28·0	32·5	− 8·5	1	0·60	15	0	Southampton ..	2·4	+ 0·7	31	7	13	•	•	•	•
a Ventnor	59	45	20th	29	18th	40·0	32·6	36·5	− 6·6	2	0·52	13	− 1	Ventnor ..	3·4	+ 1·5	44	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	42	16th	21	19th	36·3	27·7	32·2	− 7·4	2	0·43	11	+ 2	Richmond ..	1·2	− 0·1	16	7	12	36·3	− 6·2	44·6	− 1·6
a Westminster	27	43	16th	23	20th	36·4	28·9	32·8	− 7·8	1	0·30	8	− 1	Westminster ..	0·4	− 0·2	5	7	22	•	•	•	•
ag Greenwich	155	42	16th	17	20th	34·4	28·1	30·4	− 9·2	1	0·32	8	− 3	Greenwich ..	1·1	0·0	14	6	15	•	•	•	•
a Hampstead	450	40	16th	23	20th	34·6	26·0	30·5	—	2	0·10	3	—	Hampstead ..	1·8	—	24	7	14	•	•	•	•
ag Camden Square	110	42	16th	22	19th	36·0	28·0	32·2	− 7·5	1	0·25	6	− 3	Camden Square	0·9	+ 0·3	12	6	19	•	•	•	•
7. a, ENGLAND, N.W.																							
f Aspatria (Mealsgate)	487	44	20th	21	17th	38·1	27·9	33·2	− 5·4	4	0·91	23	+ 3	Aspatria..	1·5	+ 0·4	21	5	18	38·0	•	43·7	•
p Newton Rigg	550	42	19, 20	20	17th	37·4	26·0	31·9	− 5·2	5	0·64	16	− 3	Newton Rigg ..	0·9	− 0·2	13	5	14	38·3	− 2·1	42·6	0·0
p Stonyhurst	377	39	19th	24	22nd	36·7	28·9	33·0	− 5·7	2	0·22	6	− 16	Stonyhurst ..	1·4	+ 0·6	20	7	19	•	•	•	•
p Blackpool	66	43	19th	26	22nd	39·1	31·0	35·2	− 4·5	4	0·21	5	− 10	Blackpool ..	1·2	+ 0·1	17	5	13	40·4	•	46·6	•
a Southport	37	39	19, 20	27	22nd	37·0	31·0	34·1	− 5·7	2	0·16	4	− 10	Southport ..	1·0	− 0·1	14	5	19	35·4	− 4·7	42·7	− 0·2
														Hoylake ..	0·6	− 0·7	8	•	•	•	•	•	•
a Liverpool (Bidston)	188	43	19th	28	17th	39·0	32·0	35·6	− 4·9	1	0·39	10	− 2	Liverpool ..	0·6	—	8	6	23	•	•	•	•
a Hawarden Bridge	22	48	19th	28	22nd	40·4	31·1	35·9	− 5·3	1	0·20	5	− 5	Manchester(City)	0·2	0·0	3	4	24	36·7	− 4·3	44·9	− 0·1
p Manchester (Whit. Pk.)	125	42	22nd	27	18th	39·0	30·7	35·0	− 5·0	1	0·25	6	− 8	Whitworth Park	0·0	− 0·4	0	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	47	19th	24	22nd	42·1	33·4	37·9	− 4·6	1	0·46	12	− 2	Llandudno ..	0·3	− 1·0	4	•	•	•	•	•	•
a Holyhead	15	47	19th	32	17th	43·0	36·3	39·8	− 3·2	3	1·10	28	+ 9	Holyhead ..	0·2	—	3	1	30	•	•	•	•
p Bettws-y-Coed	158	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed.	•	•	•	•	•	•	•	•	•
a Aberdovey	22	44	20th	30	22nd	40·4	33·7	37·2	—	1	0·26	7	—	Aberdovey ..	1·0	− 0·3	14	•	•	•	•	•	•

† Earth temperature at 3 ft. § The temperature on the grass refers to Hereford. ‖ Dew.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	°F.	%	°F.	°F.	°F.	°F.	°F.	°F.
a, SOUTH WALES																							
a Aberystwyth	59	62	19, 20	29	18, 22	58·9	31·6	35·4	—	1	0·24	6	—	Aberystwyth ..	1·3	+ 0·1	17	*	*	*	*	*	*
a Rhayader	757	58	20th	20	19th	54·3	25·4	30·0	—	1	0·42	11	—	Rhayader ..	1·3	—	17	7	14	*	*	*	*
a St. Ann's Head	149	67	20th	32	17th	52·3	35·1	38·8	- 5·5	1	0·31	8	- 12	St, Ann's Head	1·7	+ 0·3	22	*	*	*	*	*	*
p Cardiff	202	60	16th	22	19th	57·4	28·0	32·9	- 7·6	1	0·24	6	- 16	Cardiff	2·3	—	30	6	15	38·7	-6·1	46·6	+0·9
b, ENGLAND, S.W.																							
a Bath	66	61	16th	13	19th	54·4	25·4	30·1	-10·4	1	0·10	3	- 12	Bath	*	*	*	*	*	39·1	-4·3	46·1	-1·1
a Shaftesbury	722	57	20th	25	17-19	53·6	27·6	30·7	- 8·4	1	0·40	10	- 6	Shaftesbury ..	*	*	*	*	*	37·1	*	44·8	*
a Arlington	613	61	20th	20	22nd	57·9	28·0	33·2	- 7·4	1	0·50	13	- 17										
a Hartland Quay ..	100	47	20th	29	19, 20	42·7	33·9	38·5	—	2	0·26	7	—										
a Newquay	190	67	20th	25	19th	62·3	32·7	37·7	- 7·4	2	0·28	7	- 12	Newquay ..	3·6	+ 2·0	46	5	18	42·2	*	48·6	*
a Cullompton	202	68	16, 20-22	19	20th	57·4	28·0	32·9	- 8·0	2	0·24	6	- 14	Cullompton ..	3·1	+ 1·8	41	7	12	39·5	*	*	*
a Portland Bill	19	65	16th	31	18, 19	60·6	35·1	38·0	- 6·3	1	0·59	15	+ 2	Weymouth ..	3·7	—	47	*	*	*	*	*	*
p Plymouth	116	66	16th	26	19th	61·3	32·1	36·9	- 6·9	3	0·36	9	- 13	Plymouth ..	3·4	+ 1·8	43	4	19	38·6	-7·1	47·4	*
a Falmouth	167	60	20th	25	19th	62·9	32·6	38·0	- 6·8	3	0·44	11	- 17	Falmouth ..	3·3	+ 1·5	42	4	18	43·2	*	49·3	*
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	*	*	*	*	*	*	*	*	*
a, West .. { *a* Blacksod Point ..	327	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	1·6	+ 0·6	23	3	15	40·5	*	46·6	*
a, West .. { *p* Markree Castle ..	122	48	19, 20	20	22nd	53·3	31·1	37·4	- 3·1	6	0·82	21	- 4										
b, East .. { *p* Armagh	196	66	19, 20	22	22nd	59·9	29·7	35·0	- 5·2	5	0·67	17	+ 1	Armagh	1·6	+ 0·5	23	3	16	40·2	-1·5	45·4	+0·4
b, East .. { *a* Donaghadee	101	65	19th	31	22nd	60·6	34·4	37·6	- 4·1	4	1·00	25	+ 8										
10. IRELAND, S.																							
p Dublin, City	47	66	19, 20	28	18th	62·4	33·1	37·9	- 4·5	3	1·17	30	+ 17	Dublin City ..	*	*	*	3	24	*	*	*	*
a Birr Castle	175	67	19th	23	18th	59·0	29·1	34·3	- 6·2	4	0·63	16	- 2	Trinity Coll. ..	*	*	*	3	20	40·8	-1·8	45·9	+0·4
a Kilkenny	212	65	19th	25	18th	59·1	30·0	34·7	- 5·9	5	0·53	13	- 6	Phœnix Park ..	0·8	- 0·7	11	6	15	*	*	*	*
a Waterford	20	67	19th	27	17, 18	61·7	30·7	36·4	- 6·2	4	0·93	24	- 1	Birr Castle ..	1·3	- 0·1	18	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	541	67	19th	26	18th	60·4	32·7	36·7	—	4	0·82	21	—	Seskin	1·6	—	22	4	20	*	*	*	*
a Cahir	198	65	19th	23	22nd	58·9	29·4	34·3	- 6·5	3	0·97	25	—										
a Foynes	50	69	19th	30	17th	61·4	33·4	37·6	- 5·1	3	0·70	18	- 8										
a Cahirciveen (Val. Obs.)	30	69	19th	33	17th	63·7	36·0	40·0	- 5·3	5	2·13	54	+ 18	Cahirciveen ..	1·9	+ 0·6	25	1	29	*	*	*	*
a Killarney	174	69	19th	28	17th	61·9	31·9	37·1	- 6·3	5	0·98	25	- 14	Ballinacurra ..	1·3	- 0·1	17	*	*	*	*	*	*
a Roche's Point	32	67	19th	27	17th	62·0	33·4	37·9	- 6·6	6	2·02	51	+ 22										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	69	20th	35	19th	65·6	38·6	42·2	- 4·7	3	0·91	23	+ 6	Scilly	1·6	- 0·1	20	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	65	16th	31	18th	61·4	34·0	37·9	- 6·6	2	0·98	25	+ 9	St. Heliers ..	2·0	+ 0·2	25	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	68	21st	34	17th	63·3	37·9	40·7	- 3·9	1	1·09	28	+ 10	Guernsey† ..	1·7	+ 0·1	22	0	32	43·1	-3·4	49·0	-0·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 22nd, 1917.

DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	m/s.	Mid Time. day.	hr.	Highest Gust. Speed. m/s.	Date. d.	h.	m.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.								
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	16, 17	9	15 to 17, 21	28	83	41	7	0	NNW.	22	16	22	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	18	93	57	0	NNW.	10	17	5	24	17	4	30
Aberdeen	153	105	52	—	—	16, 17	7	39	88	34	0	NW.	14	16	24	24	17	1	0
Edinburgh	485	39	31	—	—	18	2	79	78	9	0	W. by S.	13	18	24	20	19	0	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	17	2	16, 17, 20, 21	33	55	41	37	0	N.	18	17	4	25	17	5	0
Paisley	188	81	52	—	—	—	—	23	91	54	0	NE.	9	16	13	18	16	12	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	17	2	50	84	32	0	NNW.	11	17	5	23	17	4	25
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Yarmouth (Cup Anr.) ..	73	60	—	16, 17	3	16, 17	14	46	82	23	0	NE.	20	16	23	—	—	—	—
Gorleston	52	42	‡	16	1	16, 17	12	52	73	30	0	NE.	17	16	23	24	16	22	40
Shoeburyness	103	90	‡	17	1	16, 17	17	54	61	32	3	NE.	17	17	3	26	17	2	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	29	57	82	0	NNE.	14	17	10	23	17	0	30
5. ENGLAND, S.E.																			
Dover	271	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Warlingham	642	33	‡	—	—	—	—	11	67	49	41	—	8	16	11	16	16	11	10
Brighton	261	53	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	17	1	28	82	57	0	NNE.	13	17	3	22	17	2	55
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	32	78	58	0	NE. by E.	10	16	15	19	16	14	35
Fleetwood (Cup Anr.) ..	109	44	—	16, 17	6	16, 17	24	41	85	12	0	NNE.	19	16	22	—	—	—	—
Southport	80	62	48	—	—	16, 17, 21	30	46	82	10	0	NE.	16	16	17	26	16	16	35
Holyhead	60	40	‡	16, 17	22	16, 17, 21	35	74	22	15	0	NE. by N.	25	16	15	31	16	15	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	16, 17	18	16 to 18, 21, 22	47	51	32	20	0	NNE.	22	17	3	32	16	12	5
Plymouth	185	88	2	—	—	16, 17§	23	59	69	17	0	—	15	17	4	27	17	3	20
Lyme Regis	556	61	‡	17	1	16 to 18	27	51	49	40	0	—	18	17	2	30	17	0	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	16, 21	14	16, 17, 21	29	70	42	13	0	N. by E.	26	16	13	—	—	—	—
Quilty	100	40	‡	16	16	16, 17, 20, 21	26	48	29	33	16	—	23	16	4	33	16	4	10
Cahirciveen (Val. Obs.)	98	41	‡	16	11	16, 17, 20, 21	28	60	46	23	0	N. by E.	20	16	17	35	16	8	15
Weaver Pt.	160	30	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	16, 17	24	16, 17, 21, 22	18	43	40	43	0	NW. by N.	30	16	14	43	16	14	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-FIRST WEEK of 1917—December 16th to December 22nd, 1917.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	48	21	76·9	71·0	74·1	− 2·9	0	− 10	57	+ 28	6	+ 1	1·11	28	0	0·9	+0·3	14	1021
Eastern.																			
1. SCOTLAND, EAST ...	46	12	76·2	70·2	73·3	− 2·9	0	− 8	67	+ 29	4	0	0·89	22	+ 8	1·4	+0·4	20	1022
2. ENGLAND, N.E.	43	22	76·3	71·8	74·2	− 2·6	0	− 9	55	+ 25	3	− 1	0·74	19	+ 8	1·3	+0·2	18	1021
3. ENGLAND, EAST ...	42	14	75·8	70·2	73·1	− 3·7	0	− 10	69	+ 36	2	− 2	0·26	6	− 3	2·2	+0·8	30	1021
4. MIDLAND COUNTIES ...	44	13	75·0	69·8	72·5	− 4·2	0	− 11	76	+ 41	2	− 2	0·36	9	− 2	0·9	−0·2	12	1021
5. ENGLAND, S.E.	45	11	75·8	70·6	73·3	− 4·4	0	− 14	67	+ 43	2	− 1	0·63	16	+ 3	1·9	+0·3	25	1020
Western.																			
6. SCOTLAND, WEST ...	46	19	77·2	71·5	74·4	− 3·3	0	− 12	52	+ 29	5	+ 1	1·06	27	0	1·4	+0·5	19	1023
7. ENGLAND, N.W.	48	20	77·1	72·3	74·8	− 2·8	0	− 12	48	+ 24	2	− 2	0·48	12	− 5	1·0	−0·1	14	1022
8. ENGLAND, S.W.	50	13	76·4	71·7	74·2	− 4·5	0	− 18	55	+ 39	2	− 2	0·36	9	− 13	2·5	+1·1	33	1019
9. IRELAND, NORTH ...	48	20	77·8	72·5	75·3	− 2·9	0	− 14	41	+ 21	5	0	0·78	20	− 1	1·6	+0·5	23	1023
10. IRELAND, SOUTH ...	49	23	78·1	72·9	75·6	− 3·2	0	− 22	37	+ 22	4	− 1	1·12	28	+ 3	1·3	−0·1	18	1023
11. ENGLISH CHANNEL ...	49	31	79·3	75·7	77·6	− 3·0	4	− 27	21	+ 17	2	− 3	0·99	25	+ 8	1·8	+0·1	22	1018

THE SEASON (Winter).—Aggregates, &c., for the Period of 3 Weeks, December 2nd to December 22nd, 1917.

0. SCOTLAND, NORTH ...	52	18	78·7	73·1	76·0	− 0·9	10	− 18	120	+ 35	18	+ 1	3·67	93	− 15	0·6	0·0	10	1016
Eastern.																			
1. SCOTLAND, EAST ...	55	8	77·7	71·7	74·8	− 1·5	1	− 24	146	+ 39	11	− 2	1·45	37	− 18	1·8	+0·7	27	1019
2. ENGLAND, N.E.	53	19	78·2	72·7	75·6	− 1·6	5	− 25	126	+ 42	7	− 5	1·10	28	− 13	1·9	+0·7	26	1021
3. ENGLAND, EAST ...	52	14	78·4	72·2	75·4	− 2·0	11	− 26	143	+ 55	8	− 5	0·64	16	− 24	2·3	+0·9	30	1022
4. MIDLAND COUNTIES ...	54	13	78·0	71·9	75·0	− 2·1	9	− 29	152	+ 56	7	− 6	0·65	17	− 30	1·6	+0·4	21	1023
5. ENGLAND, S.E.	52	11	78·6	72·7	75·8	− 2·5	15	− 40	133	+ 71	8	− 4	1·39	35	− 21	2·2	+0·7	29	1023
Western.																			
6. SCOTLAND WEST ...	52	19	78·7	73·5	76·2	− 1·6	10	− 29	109	+ 46	16	+ 2	3·13	80	− 19	1·4	+0·4	20	1021
7. ENGLAND, N.W.	54	19	78·9	74·0	76·5	− 1·5	12	− 29	101	+ 36	11	− 3	1·59	40	− 26	1·3	+0·2	18	1023
8. ENGLAND, S.W.	54	13	79·1	73·8	76·6	− 2·5	19	− 47	110	+ 67	7	− 7	1·09	27	− 62	2·2	+0·7	29	1023
9. IRELAND, NORTH ...	54	20	79·6	74·3	77·1	− 1·2	19	− 25	91	+ 30	15	− 1	1·99	51	− 20	1·4	+0·2	19	1022
10. IRELAND, SOUTH ...	56	20	80·1	74·5	77·4	− 1·8	34	− 36	80	+ 35	13	− 2	2·23	56	− 24	1·5	0·0	19	1024
11. ENGLISH CHANNEL ...	53	31	81·1	77·0	79·2	− 1·9	52	− 54	30	+ 19	9	− 7	1·62	41	− 35	2·1	+0·3	26	1024

THE YEAR 1917.—Aggregates, &c., for the Period of 51 Weeks, December 31st, 1916, to December 22nd, 1917.

0. SCOTLAND, NORTH ...	81	10	83·4	77·5	80·3	− 0·3	2040	− 61	913	+171	251	+10	54·94	1395	+126	3·1	0·0	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	83·9	76·6	80·1	− 0·7	2164	−155	1182	+307	195	− 8	30·07	767	− 6	3·7	0·0	30	1012
2. ENGLAND, N.E.	87	5	84·9	77·9	81·3	− 0·4	2758	+ 79	974	+333	175	− 9	23·19	589	− 31	4·0	0·0	32	1014
3. ENGLAND, EAST ...	93	5	85·6	78·3	81·8	− 0·5	3129	+ 48	1003	+332	170	−10	24·15	617	+ 24	4·5	+0·1	37	1015
4. MIDLAND COUNTIES ...	89	4	85·6	77·8	81·5	− 0·5	3006	+ 34	1059	+324	170	− 9	26·55	677	+ 14	3·7	−0·2	30	1015
5. ENGLAND, S.E.	90	4	85·9	78·8	82·2	− 0·7	3220	−100	871	+366	161	−14	28·64	729	+ 45	4·5	−0·1	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·5	78·0	81·2	− 0·4	2529	− 51	839	+271	215	+ 2	45·52	1157	− 13	3·6	−0·2	30	1014
7. ENGLAND, N.W.	82	5	84·9	78·6	81·6	− 0·5	2815	− 2	834	+323	193	− 4	34·65	884	+ 6	3·8	−0·2	31	1015
8. ENGLAND, S.W.	86	4	85·3	79·0	82·0	− 0·8	2992	−172	747	+352	182	−15	35·38	899	− 69	4·3	−0·1	35	1016
9. IRELAND, NORTH ...	76	7	84·7	78·5	81·5	− 0·5	2595	−100	670	+198	238	+ 3	39·28	1000	+ 51	3·3	−0·3	27	1013
10. IRELAND, SOUTH ...	77	9	85·7	79·1	82·3	− 0·5	3047	− 92	603	+239	219	+10	35·44	901	− 90	3·7	−0·3	31	1016
11. ENGLISH CHANNEL ...	83	22	86·2	80·9	83·5	− 0·7	3522	−262	377	+256	191	−15	30·89	784	− 32	5·0	−0·2	41	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7 : December 28th, 1917.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

205

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTIETH YEAR. *Vol. XXXIV. (New Series.)* } No. 52.

THE FIFTY-SECOND WEEK OF 1917.

SUNDAY, DECEMBER 23RD, TO SATURDAY, DECEMBER 29TH.

Price 6d., Post free 7 .
Annual Subscription Post Paid £1 10s. 0d.

I.—GENERAL SUMMARY. [First published in 1878.]

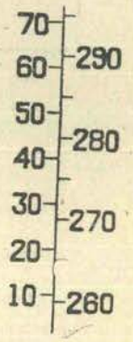
Anticyclonic conditions prevailed throughout the week. Pressure was persistently above 1030 mb. off the coast of Ireland. Our northern districts being to the north of the region of highest pressure had North-West winds, whilst the south of England was generally in a current from North-East.

Precipitation was generally light. At Dumfries and Bidston Observatory, Liverpool, there was none at all. Snow showers were not infrequent. At Norwich on the afternoon of Christmas Day there was a thunderstorm with a snowfall equivalent to 6 mm. of rain.

In most districts there were one or more days of brilliant sunshine. More than six hours were recorded at Ventnor on the 23rd and 27th, at Newquay on the 23rd, at Harrogate on the 25th, and in Guernsey on the 29th.

The low temperatures of the preceding week were not generally repeated. In Ireland the change was very marked. For example, at Markree Castle, Co. Sligo, the minimum for the night of the 22nd was 267·5 a. and the following night the temperature did not drop below 279 a. At many inland stations, as well as at Southport, there was ground frost every night. On the other hand, the temperature in the screen did not drop below the freezing point in the Hebrides or at Scarborough. The largest departures of the mean temperature below the normal for the time of year, about 3 a., were on the coasts of the English Channel. The succession of cold weeks brought down the earth temperatures; at Plymouth the temperature at one foot averaged 276 a., as compared with a normal of 280 a.

Attention is directed to the table at the foot of this page giving a summary of the characters of the weeks of 1917. The numbers of cold weeks in England South-East and South-West, of dry weeks in England North-East and South-East and of sunless weeks in Ireland are noteworthy. District Values for the period of 52 weeks are given on p. 208.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.		EDINBURGH.		ENGLAND, E.		LONDON.		NORTH WALES.		ENGLAND, S.W.		DUBLIN.		IRELAND, S.W.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 20.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	1	2·5	2	0·6	0	—	1	0·7	0	—	0	—	—	—	0	—
North	22	4·9	22	3·2	24	4·7	22	3·5	27	5·2	15	5·3	—	—	24	6·4
West	24	4·9	15	4·6	13	3·1	9	2·1	9	6·3	2	2·6	—	—	8	2·1
East	1	1·0	5	2·7	12	6·9	10	2·3	18	4·9	11	2·6	—	—	14	3·4
Calm	3	—	1	—	0	—	2	—	1	—	1	—	—	—	4	—

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Deficient	Deficient
	Rainfall ...	Light	Light	Moderate	Moderate	Moderate	Moderate	Light	Very light	Light	Light	Very light	Light
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Scanty	Moderate	Moderate

THE WINTER SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER. 4 weeks from Dec. 2nd, 1917.	Warmth ...	0, 3, 1	0, 3, 1	0, 2, 2	0, 1, 3	0, 2, 2	0, 0, 4	0, 1, 3	0, 3, 1	0, 0, 4	0, 3, 1	0, 1, 3	0, 0, 4
	Rainfall ...	0, 2, 2	1, 0, 3	1, 1, 2	0, 3, 1	0, 2, 2	0, 3, 1	0, 3, 1	0, 2, 2	0, 0, 4	0, 2, 2	0, 2, 2	0, 1, 3
	Sunshine ...	1, 2, 1	3, 1, 0	2, 2, 0	2, 2, 0	2, 2, 0	2, 2, 0	2, 2, 0	1, 3, 0	3, 1, 0	2, 0, 2	1, 2, 1	0, 4, 0
THE YEAR. 52 weeks from Dec. 31st, 1916.	Warmth ...	16, 18, 18	13, 18, 21	18, 13, 21	18, 13, 21	18, 18, 16	13, 16, 23	15, 16, 21	14, 23, 15	10, 21, 21	13, 22, 17	15, 18, 19	12, 17, 23
	Rainfall ...	19, 14, 19	16, 17, 19	14, 14, 24	15, 19, 18	16, 18, 18	11, 22, 19	19, 16, 17	14, 18, 20	17, 14, 21	15, 20, 17	10, 24, 18	15, 20, 17
	Sunshine ...	16, 20, 16	20, 14, 18	15, 22, 15	16, 20, 16	15, 19, 18	16, 22, 14	12, 23, 17	16, 21, 15	16, 17, 19	9, 22, 21	9, 26, 17	10, 20, 22

(15185—19.) Wt. 153—442. 450. 1/18. D & S. G. 17/ 36.

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands .. a Lerwick	54	45	28th	26	26th	40·7	32·6	36·8	- 3·0	7	0·56	14	- 10	Deerness ..	0·2	- 0·4	3	•	•	•	•	•	•
a, Islands .. p Deerness	160	45	23rd	32	25, 26	41·4	36·1	38·9	—	4	0·28	7	- 14	Stornoway ..	0·8	+ 0·2	13	•	•	•	•	•	•
a, Islands .. a Stornoway	31	46	23, 26–28	33	26th	44·3	36·6	40·6	+ 0·8	5	0·35	9	- 22	Castlebay ..	0·6	—	9	•	•	•	•	•	•
a, Islands .. a Castlebay, Barra Isd.	37	47	23, 26, 29	37	26th	45·7	40·3	43·1	+ 0·7	5	0·17	4	—										
b, Mainland. a Wick	81	45	28th	31	26th	42·4	34·4	38·6	- 0·1	5	0·30	8	- 7	Fort Augustus..	0·3	- 0·1	5	•	•	•	•	•	•
b, Mainland. p Strathpeffer	200	—	—	—	—	—	—	—	—	—	—	—	—										
b, Mainland. p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
b, Mainland. p Fort Augustus.. ..	68	46	24th	30	26th	40·8	33·6	37·3	- 0·8	5	0·14	4	- 26										
b, Mainland. p Fort William	171	47	24th	31	26th	41·7	34·3	38·2	- 1·3	3	0·37	9	- 43										
1. SCOTLAND, E.																						
a Nairn	82	46	23rd	30	26, 27	42·3	33·9	38·3	+ 1·0	5	0·20	5	- 7	Nairn	0·3	—	5	•	•	•	•	•	•
p Gordon Castle	101	45	23rd	30	26, 27	41·1	34·0	37·7	- 0·6	6	0·41	10	- 3	Gordon Castle..	0·3	—	5	•	•	•	•	•	•
a Aberdeen	46	45	28th	32	26, 27	41·6	34·9	38·4	+ 0·3	4	0·21	5	- 11	Aberdeen	0·4	- 0·6	6	2	29	•	•	•	•
a Balmoral	930	43	24, 28, 29	27	26th	39·7	30·9	35·5	+ 1·0	5	0·25	6	- 11	Balmoral	•	•	•	5	25	•	•	•	•
p Crieff	432	49	24th	28	26–28	43·3	30·7	37·3	+ 0·1	1	0·22	6	- 18	Crathes	0·5	- 0·6	8	4	23	34·5	- 2·9	39·2	- 0·5
a Dundee	244	45	24th	29	23, 26, 28	41·3	32·0	36·8	- 0·5	3	0·09	2	- 11	Dundee	0·9	—	14	5	23	34·1	•	•	•
a Leith	18	47	24th	25	23rd	42·3	33·6	38·1	- 1·5	4	0·14	4	- 6	Leith	•	•	•	3	29	•	•	•	•
a Edinburgh	441	46	24th	29	26th	42·6	34·0	38·5	0·0	1	0·10	3	- 8	Edinburgh ..	1·2	0·0	18	3	26	•	•	•	•
a West Linton	769	43	24th	20	23rd	39·7	28·0	34·1	- 0·4	1	0·10	3	—	West Linton ..	1·0	—	15	4	12	•	•	•	•
p Marchmont	498	47	24th	29	26th	40·6	32·0	36·5	- 0·2	4	0·44	11	- 3	Marchmont ..	1·3	+ 0·3	19	•	•	•	•	•	•
6. a, SCOTLAND, W.																						
a Ford (Argyll)	149	47	23, 24	26	23rd	42·6	32·2	37·6	—	3	0·42	11	—	Ford (Argyll) ..	•	•	•	4	21	36·0	•	41·7	•
p Glasgow Observatory	180	47	24th	29	28th	41·9	34·1	38·2	- 0·9	2	0·04	1	- 21	Glasgow	0·3	- 0·1	4	5	33	•	•	•	•
p Rothesay	170	47	24th	34	25, 26, 28	43·7	35·7	39·9	- 0·1	3	0·35	9	- 20	Rothesay	1·3	—	19	5	26	36·6	•	42·0	- 1·6
a Kilmarnock	90	47	24th	24	28th	41·1	30·0	35·8	- 2·6	5	0·11	3	- 19	Kilmarnock ..	1·0	—	15	•	•	36·1	•	42·0	•
a Colmonell	170	47	24th	20	23rd	42·1	30·6	36·6	- 3·3	3	0·25	6	- 23	Colmonell ..	•	•	•	3	22	•	•	•	•
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	0·9	—	13	6	17	35·1	•	40·9	•
a Dumfries	160	47	24th	27	23rd	43·3	33·0	38·4	0·0	0	0·00	0	- 21	Eskdalemuir ..	1·1	—	16	5	14	•	•	•	•
a Eskdalemuir	794	46	24th	14	23rd	39·9	25·7	33·1	—	2	0·09	2	—										
b. I. OF MAN p Douglas	277	47	24, 25	33	26th	44·1	36·1	40·3	- 1·3	2	0·10	3	- 23	Douglas	1·2	+ 0·2	17	3	25	•	•	•	•
2. ENGLAND, N.E.																						
a North .. a Alnwick Castle ..	210	48	24th	26	23rd	42·1	32·3	37·4	- 0·7	6	0·57	14	0	Cockle Park ..	0·0	- 1·4	0	7	21	34·5	- 3·1	39·4	- 1·4
a North .. a Tynemouth	71	47	24th	29	24th	40·9	32·1	36·7	- 2·1	6	0·39	10	0	Durham	1·2	0·0	17	5	25	•	•	•	•
a North .. p Durham	336	50	24th	29	26th	41·3	32·9	37·3	0·0	4	0·30	8	- 2	Rounton	•	•	•	7	22	35·8	•	•	•
a North .. p Rounton	249	47	24th	27	23rd	39·9	31·7	36·0	- 1·3	5	0·35	9	- 1	West Witton ..	•	•	•	6	22	36·3	•	41·3	•
a North .. a West Witton	605	46	24th	24	23rd	39·7	31·1	35·6	—	4	0·15	4	—	Scarborough† ..	0·5	- 0·5	7	•	•	•	•	45·5	•
a North .. p Scarborough	100	47	23rd	33	24th	43·7	35·1	39·6	+ 0·6	6	0·82	21	+ 9	York	0·6	- 0·1	8	•	•	37·4	- 2·9	42·7	- 1·0
a North .. p York	56	49	24th	26	23rd	41·3	32·1	36·9	- 1·3	4	0·13	3	- 8										
b, South .. a Spurn Head	26	42	24th	30	23rd	39·9	33·4	36·8	- 2·4	6	0·43	11	+ 2	Spurn Head ..	1·4	—	19	•	•	•	•	•	•
b, South .. a Lincoln	58	44	24th	23	23rd	38·8	29·9	34·5	- 3·2	7	0·28	7	- 5	Lincoln	•	•	•	7	18	34·1	- 5·8	41·9	- 1·9
b, South .. a Fulbeck	180	44	24th	22	23rd	37·9	29·1	33·7	- 4·1	5	0·26	7	- 4	Ranceby	1·0	- 0·2	14	•	•	35·1	- 4·8	43·6	- 1·0
														Skegness	2·0	+ 0·5	27	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	44	24th	29	23rd	39·9	31·9	36·1	- 2·4	6	0·24	6	- 4	Cromer	1·5	+ 0·3	20	•	•	•	•	•	•
p Little Massingham ..	280	42	24th	22	23rd	37·3	28·0	32·8	- 4·5	6	0·59	15	+ 1	Lit. Massingham	0·8	- 0·2	11	•	•	•	•	•	•
a Yarmouth	13	43	24th	28	23, 24	38·4	31·6	35·1	- 3·3	6	0·51	13	+ 1	Yarmouth ..	0·7	—	9	5	24	38·0	- 1·8	44·7	+ 0·3
a Norwich	93	43	24th	24	23rd	37·9	28·7	33·5	- 4·3	7	0·64	16	+ 3	Norwich	0·8	—	11	5	15	34·0	•	•	•
a Geldeston	37	44	24th	26	23rd	38·7	28·4	33·8	- 4·7	6	0·47	12	+ 1	Geldeston ..	0·8	- 0·4	11	•	•	•	•	•	•
p Cambridge	41	45	25th	16	23rd	38·0	27·0	32·7	- 5·3	6	0·34	9	- 1	Cambridge ..	1·4	+ 0·3	19	4	21	35·3	- 5·1	43·0	- 1·7
a Clacton-on-Sea ..	54	43	24th	28	26, 27	37·7	30·7	34·3	- 4·3	6	0·29	7	- 2	Clacton	2·0	+ 0·7	26	6	22	36·2	- 6·1	43·1	- 3·6
a Rothamsted	424	43	24th	22	23rd	37·0	28·6	33·0	- 4·9	5	0·23	6	- 8	Rothamsted ..	1·9	+ 0·7	25	7	17	35·1	•	•	•
p Tottenham	51	45	24th	25	23rd	38·6	30·6	34·8	- 4·4	4	0·26	7	—	Tottenham ..	2·0	—	26	•	•	•	•	43·6	- 2·5
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	45	24th	25	23rd	39·0	30·7	35·0	- 2·1	3	0·11	3	- 13	Harrogate ..	1·5	+ 0·4	21	5	21	36·8	- 3·4	40·5	- 1·3
a North .. p Sheffield	429	47	24th	26	23rd	40·4	32·6	36·7	—	4	0·43	11	—	Sheffield	1·2	+ 0·2	16	6	•	36·4	- 3·3	42·9	- 0·8
a North .. p Buxton	987	42	24, 25	19	23rd	37·3	28·6	33·1	- 2·8	5	0·73	19	- 12	Buxton	1·0	—	14	6	13	35·1	- 4·2	41·9	- 1·9
b, East .. a Bawtry	65	46	24th	24	23rd	39·6	30·3	35·1	- 2·6	3	0·29	7	- 5	Worksop	1·3	+ 0·5	18	7	17	35·3	•	40·9	•
b, East .. a Nottingham	82	48	24th	22	23rd	40·7	30·6	35·9	- 2·4	4	0·22	6	- 7	Nottingham ..	0·9	+ 0·1	12	7	17	34·0	- 5·2	39·7	- 2·7
b, East .. p Birmingham, Edgbsn.	535	45	25th	26	23rd	38·9	31·0	35·1	- 3·1	3	0·30	8	- 7	Birmingham ..	0·2	- 0·6	3	6	12	37·8	- 3·8	44·9	- 0·8
b, East .. a Raunds	203	45	24th	17	23rd	39·1	28·9	33·2	- 4·0	3	0·28	7	- 6	Raunds	•	•	•	7	9	36·7	•	46·0	•
b, East .. p Oxford	208	45	25th	20	23rd	39·1	30·3	34·9	- 4·1	6	0·20	5	- 9	Oxford	2·0	+ 0·8	26	6	13	•	•	•	•
c, West .. a Cheadle (N. Staffs.) ..	646	44	24th	23	23rd	39·0	30·0	34·7	- 2·2	4	0·32	8	- 10	Cheadle	•	•	•	7	19	•	•	•	•
c, West .. p Shrewsbury	191	—	—	25	23rd	—	31·0	—	—	3	0·20	5	- 7	Shrewsbury ..	•	•	•	5	20	•	•	•	•
c, West .. a Hereford§	391	—	—	—	—	—	—	—	—	—	—	—	—	Malvern§ ..	1·2	—	16	•	•	35·0	•	42·0	•
c, West .. a Clifton	229	48	24th	25	23, 24	40·7	30·6	35·9	- 4·4	3	0·20	5	- 17	Clifton	1·9	•	25	5	22	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	43	24th	20	23rd	38·1	28·4	33·4	- 4·7	4	0·25	6	- 12	Worthing ..	2·4	+ 0·9	31	6	21	33·7	- 5·3	44·9	- 1·6
p Salisbury (Wilton) ..	180	47	24th	24	23rd	38·9	27·6	33·5	- 5·2	3	0·21	5	- 16	Marlborough ..	1·4	+ 0·4	18	5	16	35·3	•	44·5	•
a Wisley, Surrey ..	150	44	24th	25	23rd	38·7	29·9	34·5	- 4·6	3	0·19	5	- 8	Salisbury	•	•	•	6	20	35·7	•	•	•
a Tunbridge Wells ..	354	44	24th	25	24th	38·1	29·9	34·2	- 4·9	4	0·34	9	- 9	Wisley	2·2	+ 1·0	29	6	12	36·4	- 4·9	43·4	- 1·7
a Margate	53	42	24th	31	24th	39·9	33·0	36·6	- 3·7	5	0·35	9	- 3	Tunbridge Wells	1·3	+ 0·1	17	6	19	38·1	- 2·9	44·0	•
a Dungeness	21	44	24th	26	24th	38·4	30·3	34·5	- 6·2	5	0·44	11	- 3	Margate	1·2	0·0	16	3	25	37·6	- 4·7	43·8	- 1·1
p St. Leonards	178	45	25th	20	23rd	39·0	30·9	35·1	- 5·7	5	0·26	7	- 9	St. Leonards ..	3·6	+ 2·1	47	6	24	35·8	•	43·9	•
p Southampton	64	46	24th	28	24th	39·9	30·4	35·3	- 5·6	3	0·19	5	- 14	Southampton ..	2·5	+ 1·2	33	6	17	•	•	•	•
a Ventnor	59	45	24, 25	31	26–28	40·6	33·0	37·0	- 5·9	4	0·13	3	- 14	Ventnor	3·0	+ 1·6	38	•	•	•	•	•	•
LONDON. p Richmond (Kew Obs.)	18	45	25th	27	23rd	39·2	30·4	35·0	- 4·6	5	0·22	6	- 6	Richmond	2·2	+ 1·2	29	7	17	34·5	- 0·9	43·2	- 2·5
LONDON. a Westminster	27	45	24th	27	24th	39·4	32·3	36·0	- 4·5	6	0·28	7	- 4	Westminster ..	1·0	+ 0·5	13	5	25	•	•	•	•
LONDON. ag Greenwich	155	45	24th	26	23rd	38·3	30·9	34·8	- 4·8	5	0·17	4	- 6	Greenwich ..	1·0	- 0·1	13	5	23	•	•	•	•
LONDON. a Hampstead	450	43	24, 25	27	23, 24, 28	37·6	28·3	33·1	—	5	0·24	6	—	Hampstead ..	2·7	—	36	7	18	•	•	•	•
LONDON. ag Camden Square ..	110	44	24th	27	23, 24	38·6	30·6	34·8	- 4·8	5	0·28	7	- 6	Camden Square	1·4	+ 0·9	18	6	23	•	•	•	•
7. a, ENGLAND, N.W.																						
f Aspatria (Mealsgate)	487	44	24th	25	28th	40·0	31·0	35·7	- 2·6	2	0·04	1	- 20	Aspatria	1·5	+ 0·5	21	6	20	37·2	•	42·7	•
p Newton Rigg	559	47	24th	28	26, 28	40·6	32·0	36·5	- 0·4	3	0·04	1	- 20	Newton Rigg ..	1·3	+ 0·4	19	6	21	37·4	- 2·4	41·7	- 0·5
p Stonyhurst	377	45	24th	30	25–27	40·9	32·6	36·9	- 1·4	3	0·29	7	- 18	Stonyhurst ..	1·0	+ 0·3	14	4	26	•	•	•	•
p Blackpool	66	45	23, 24	26	23rd	41·3	32·0	36·8	- 2·5	2	0·03	1	- 15	Blackpool ..	1·2	+ 0·2	16	6	13	39·1	•	45·4	•
a Southport	37	45	24th	26	23rd	40·6	32·7	36·8	- 2·6	1	0·02	1	- 15	Southport ..	1·0	0·0	14	7	18	34·6	- 4·7	41·0	- 1·4
														Hoylake ..	0·2	- 1·0	3	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	46	24th	31	23rd	41·3	34·6	38·1	- 2·9	0	0·00	0	- 13	Liverpool ..	1·0	—	14	4	20	•	•	•	•
a Hawarden Bridge ..	22	47	23rd	26	23rd	41·7	33·0	37·6	- 3·2	0	0·00	0	- 11	Manchester (City)	0·4	+ 0·2	5	4	23	35·6	- 4·7	43·4	- 1·1
p Manchester (Whit. Pk.)	126	47	24, 25	28	23rd	42·1	31·6	37·1	- 2·5	4	0·17	4	- 12	Whitworth Park	0·0	- 0·4	0	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	46	24, 25	27	23rd	43·0	37·3	40·3	- 1·8	4	0·12	3	- 13	Llandudno ..	1·2	0·0	16	•	•	•	•	•	•
a Holyhead	10	47	24th	32	23rd	44·1	38·1	41·2	- 1·3	1	0·12	3	- 17	Holyhead ..	1·4	—	19	1	21	•	•	•	•
p Bettws-y-Coed ..	148	—	—	—	—	—	—	—	—	—	—	—	—	Bettws-y-Coed.	•	•	•	•	•	•	•	•	•
a Aberdovey	22	49	25th	29	23rd	44·0	34·7	39·5	—	3	0·44	11	—	Aberdovey ..	1·3	+ 0·1	18	•	•	•	•	•	•

† Earth temperature at 3 ft.

§ The temperature on the grass refers to Hereford.

‖ Dew

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES																						
a Aberystwyth	59	45	24th	26	23rd	41·3	34·0	37·8	—	2	0·09	2	—	Aberystwyth ..	1·4	+ 0·4	18	•	•	•	•	•	•
a Rhayader	757	45	24th	19	23rd	39·0	29·3	34·3	—	3	0·25	6	—	Rhayader ..	1·1	—	15	6	14	•	•	•	•
a St. Ann's Head ..	149	47	24, 25	31	23rd	43·7	36·1	40·1	- 3·8	4	0·31	8	- 17	St. Ann's Head	2·0	+ 0·9	26	•	•	•	•	•	•
p Cardiff	202	47	24, 25	27	23rd	41·1	32·7	37·1	- 3·0	1	0·17	4	- 23	Cardiff	2·0	—	26	4	18	37·4	-4·4	44·9	-0·2
b, ENGLAND, S.W.																						
a Bath	66	49	24th	23	23rd	41·6	29·7	35·9	- 4·3	3	0·18	5	- 13	Bath	•	•	•	•	•	36·8	-6·0	44·2	-2·6
a Shaftesbury	722	48	25th	27	23, 26, 27	39·4	29·1	34·5	- 4·1	2	0·16	4	- 16	Shaftesbury ..	•	•	•	•	•	35·6	•	43·4	•
a Arlington	613	45	25th	28	23, 24	40·7	31·7	36·4	- 3·8	3	0·23	6	- 30										
a Hartland Quay ..	100	48	24, 25	32	24th	44·0	37·6	40·9	—	1	0·16	4	—										
a Newquay	190	48	24, 25	28	23rd	43·9	35·4	39·8	- 4·9	3	0·14	4	- 20	Newquay ..	3·0	+ 1·7	38	5	16	41·7	•	47·0	•
a Cullompton	202	46	24, 25	25	23rd	41·3	30·6	36·2	- 4·4	3	0·15	4	- 20	Cullompton ..	2·7	+ 1·7	35	6	16	38·3	•	•	•
a Portland Bill	19	48	24, 25	31	27th	41·9	34·7	38·4	- 5·4	2	0·08	2	- 14	Weymouth ..	3·3	—	43	•	•	•	•	•	•
p Plymouth	116	47	24, 25	31	27th	42·1	33·4	37·9	- 5·5	2	0·04	1	- 26	Plymouth ..	3·7	+ 2·4	47	4	26	37·3	-7·6	45·5	•
a Falmouth	187	48	24, 45	30	23, 24	43·3	34·7	39·2	- 5·2	2	0·06	1	- 33	Falmouth ..	2·4	+ 1·0	30	4	23	42·4	•	47·5	•
9. IRELAND, N.																						
a, West .. { *a* Malin Head	208	47	23, 24	31	23rd	46·0	39·4	42·8	+ 1·1	5	0·63	16	- 2	Malin Head ..	0·0	—	0	•	•	•	•	•	•
{ *a* Blacksod Point ..	327	47	26th	30	23rd	45·9	40·1	43·1	- 0·3	6	0·30	8	- 25	Markree Castle	0·6	- 0·3	8	2	19	41·3	•	45·2	•
{ *p* Markree Castle ..	122	48	24, 27, 28	22	23rd	47·1	37·3	42·4	+ 2·4	4	0·34	9	- 17										
b, East .. { *p* Armagh	196	47	24th	29	23, 28	44·0	34·6	39·5	- 0·3	6	0·17	4	- 13	Armagh	0·4	- 0·6	6	3	24	39·2	-2·4	44·1	-0·6
{ *a* Donaghadee	101	47	24th	29	23rd	45·1	36·6	41·0	- 0·2	4	0·21	5	- 12										
10. IRELAND, S.																						
p Dublin, City	47	48	24th	30	23rd	44·4	36·9	40·8	- 1·6	5	0·22	6	- 9	Dublin City ..	•	•	•	2	25	•	•	•	•
a Birr Castle	175	46	25, 26	20	23, 24	44·0	31·4	38·0	- 2·5	4	0·16	4	- 16	Trinity Coll. ..	•	•	•	2	21	41·0	-1·1	44·9	-0·3
a Kilkenny	212	46	24, 25	22	23rd	44·1	33·9	39·2	- 1·4	6	0·28	7	- 14	Phœnix Park ..	0·7	- 0·7	10	2	14	•	•	•	•
a Waterford	30	47	24, 25	26	23rd	44·7	34·9	40·0	- 2·6	4	0·24	6	- 21	Birr Castle ..	0·3	- 0·9	4	3	14	•	•	•	•
a Seskin, Carrick-on-Suir	541	45	25, 26	25	23rd	42·4	35·1	38·9	—	6	0·15	4	—	Seskin	1·0	—	13	4	18	•	•	•	•
a Cahir	198	48	25th	20	23rd	44·7	33·1	39·1	- 1·8	2	0·22	6	—										
a Foynes	50	47	24-26	26	23rd	45·4	36·1	40·9	- 1·8	3	0·10	3	- 25										
a Cahirciveen (Val. Obs.)	30	50	25th	27	23rd	47·4	38·3	43·0	- 2·2	5	0·09	2	- 37	Cahirciveen ..	1·6	+ 0·5	21	1	22	•	•	•	•
a Killarney	174	48	25th	23	23, 24	45·5	33·8	39·9	- 3·5	6	0·18	5	- 38	Ballinacurra ..	2·0	+ 0·7	26	•	•	•	•	•	•
a Roche's Point	32	48	24-26	30	23, 24	46·0	37·3	41·8	- 2·6	1	0·10	3	- 28										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	49	25th	36	23, 24	46·1	39·7	43·0	- 3·6	5	0·41	10	- 13	Scilly	1·3	- 0·4	16	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	49	25th	30	24th	42·7	35·1	39·1	- 5·0	2	0·17	4	- 18	St. Heliers ..	3·2	+ 1·4	40	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	49	25th	31	29th	43·4	37·4	40·5	- 3·8	1	0·09	2	- 22	Guernsey† ..	2·1	+ 0·5	26	1	30	42·1	-4·5	47·6	-1·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 29th, 1917.

‡DISTRICT AND STATION.	Height. Above Mean Sea Level.	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Direction and Speed.	Mid Time.	Highest Gust. Speed.	Date.
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.	day. hr.	m/s.	d. h. m.
0. SCOTLAND, N.															
Deerness (Cup Anr.)** ..	188	16	5	—	—	23 to 25	34	53	77	4	0	NW. 15	24 16	—	— — —
1. SCOTLAND, E.															
Dyce	305	75	15*	—	—	—	—	21	93	49	0	NW. 8	24 17	26	25 9 25
Aberdeen	153	105	52	—	—	24	1	46	100	21	0	NW. by W. 11	24 17	23	25 8 50
Edinburgh	485	39	31	—	—	—	—	63	95	10	0	W. by N. 9	23 18	16	23 17 40
6. SCOTLAND, W.															
Eskdalemuir	825	50	22	—	—	23, 28, 29	11	74	53	30	0	NE. 13	29 11	19	29 11 0
Paisley	188	81	52	—	—	—	—	1	90	77	0	W. by S. 6	23 17	13	24 18 5
2. ENGLAND, N.E.															
Alnwick Castle	340	70	17	—	—	25	1	35	100	32	0	N. by W. 11	25 13	21	25 12 55
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	— — —
Spurn Head	66	40	‡	—	Instrument dismounted for repair.			—	—	—	—	—	—	—	— — —
3. ENGLAND, E.															
Yarmouth (Cup Anr.) ..	73	60	—	28	1	28, 29	22	71	72	2	0	NE. 18	28 22	—	— — —
Gorleston	52	42	‡	—	—	25, 26, 28, 29	26	83	58	1	0	NE. 15	28 22	23	26 3 5
Shoeburyness	103	90	‡	—	—	28, 29	4	87	72	5	0	NE. 12	28 23	20	25 17 15
4. MIDLAND COUNTIES.															
Benson	270	84	‡	—	—	—	—	60	59	49	0	NNE. 10	28 24	17	28 24 0
5. ENGLAND, S.E.															
Dover	271	40	‡	—	—	—	—	—	—	—	—	— —	— —	—	— — —
Warlingham	642	33	‡	—	—	—	—	28	122	18	0	— 7	28 20	18	28 18 55
Brighton	261	53	6	—	—	—	—	55	90	24	0	— 8	25 3	15	25 14 10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	23	124	21	0	NE. by N. 8	28 20	13	28 17 55
7. ENGLAND, N.W.															
Carnforth	246	56	23	—	—	—	—	36	69	48	15	W. by S. 9	24 18	13	24 17 5
Fleetwood (Cup Anr.) ..	109	44	—	—	—	23 to 25	16	82	60	10	0	WNW. 16	24 17	—	— — —
Southport	80	62	48	—	—	23, 24, 29	15	104	45	4	0	WNW. 14	24 20	19	24 17 25
Holyhead	60	40	‡	—	—	23 to 25, 28, 29	48	90	25	5	0	NNE. 15	25 19	19	25 19 40
8. ENGLAND, S.W.															
Pendennis Castle§ ..	256	65	24	—	—	25, 29	13	60	85	10	0	NE. 14	29 8	19	29 1 0
Plymouth	185	88	2	—	—	28, 29	2	41	116	9	0	— 11	28 24	21	29 6 25
Lyme Regis	556	61	‡	—	—	28, 29	6	114	41	7	0	— 13	29 3	18	29 18 25
10. IRELAND, S.															
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	—	—	—	—	— —	— —	—	— — —
Quilty	100	40	‡	—	—	26	4	109	30	16	9	— 12	26 4	17	26 4 25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	26, 28, 29	9	94	42	23	0	NE. by E. 12	29 11	19	29 8 35
Weaver Pt.	160	30	‡	—	—	29	1	61	96	10	0	— 11	29 4	17	29 4 15
11. ENGLISH CHANNEL															
Scilly..	150	32	‡	—	—	29	3	85	74	6	0	ENE. 12	29 7	20	29 7 5

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] *Above tops of trees.
‡ Standard mounting § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-SECOND WEEK of 1917—December 23rd to December 29th, 1917.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	47	26	78·6	74·3	76·5	− 0·3	0	− 7	26	− 7	5	0	0·34	9	− 23	0·4	−0·1	7	1026
Eastern.																			
1. SCOTLAND, EAST ...	49	20	78·2	73·2	75·8	− 0·2	0	− 6	35	− 7	4	•	0·25	6	− 10	0·8	−0·2	12	1027
2. ENGLAND, N.E.	50	22	77·8	73·1	75·5	− 1·2	0	− 8	39	+ 6	5	+ 1	0·39	10	− 1	0·9	−0·3	12	1025
3. ENGLAND, EAST ...	45	16	76·4	71·6	74·1	− 2·4	0	− 8	56	+ 21	6	+ 2	0·40	10	− 2	1·4	+0·3	18	1023
4. MIDLAND COUNTIES ...	48	17	77·2	71·9	74·7	− 1·8	0	− 10	49	+ 12	4	0	0·23	6	− 9	1·3	+0·3	17	1026
5. ENGLAND, S.E.	47	20	76·9	72·1	74 6	− 3·0	0	− 14	50	+ 23	4	0	0·26	7	− 9	2·2	+1·0	29	1023
Western.																			
6. SCOTLAND, WEST ...	47	20	78·9	73·6	76·4	− 1·0	2	− 9	33	+ 4	3	− 2	0·18	5	− 25	0·8	0·0	11	1028
7. ENGLAND, N.W.	47	25	78·3	73·9	76·2	− 1·2	0	− 12	29	+ 2	2	− 2	0·09	2	− 17	1·1	+0·2	15	1028
8. ENGLAND, S.W.	49	19	78·2	73·1	75·8	− 2·7	0	− 17	35	+ 16	3	− 2	0·16	4	− 23	2·3	+1·2	30	1027
9. IRELAND, NORTH ...	48	20	80·4	75·6	78·1	+ 0·2	10	− 4	22	+ 1	5	0	0·30	8	− 14	0·5	−0·5	7	1030
10. IRELAND, SOUTH ...	50	20	80·3	74·7	77·6	− 1·4	9	− 12	28	+ 11	4	− 1	0·18	5	− 23	1·2	−0·1	15	1032
11. ENGLISH CHANNEL ...	49	30	79·7	76·0	77·9	− 2·5	6	− 23	19	+ 13	3	− 2	0·22	5	− 18	2·2	+0·5	28	1026

THE SEASON (Winter).—Aggregates, &c., for the Period of 4 Weeks, December 2nd to December 29th, 1917.

0. SCOTLAND, NORTH ...	52	18	78·7	73·4	76·1	− 0·8	10	− 25	146	+ 28	23	+ 1	4·01	102	− 38	0·6	0·0	9	1019
Eastern.																			
1. SCOTLAND, EAST ...	55	8	77·9	72·1	75·1	− 1·2	1	− 30	181	+ 32	15	− 2	1·70	43	− 28	1·5	+0·5	23	1021
2. ENGLAND, N.E.	53	19	78·1	72·9	75·6	− 1·5	5	− 33	165	+ 48	12	− 4	1·49	38	− 14	1·7	+0·5	23	1022
3. ENGLAND, EAST ...	52	14	77·9	72·0	75·1	− 2·1	11	− 34	199	+ 76	14	− 3	1·04	26	− 26	2·0	+0·7	27	1023
4. MIDLAND COUNTIES ...	54	13	77·8	71·9	75·0	− 2·0	9	− 39	201	+ 68	11	− 6	0·88	23	− 39	1·5	+0·4	20	1024
5. ENGLAND, S.E.	52	11	78·2	72·6	75·5	− 2·7	15	− 54	183	+ 94	12	− 4	1·65	42	− 30	2·2	+0·8	29	1023
Western.																			
6. SCOTLAND WEST ...	52	19	78·8	73·5	76·2	− 1·5	12	− 38	142	+ 50	19	0	3·31	85	− 44	1·3	+0·4	18	1023
7. ENGLAND, N.W.	54	19	78·7	74·0	76·4	− 1·5	12	− 41	130	+ 38	13	− 5	1·68	42	− 43	1·3	+0·3	17	1024
8. ENGLAND, S.W.	54	13	78·9	73·6	76·4	− 2·6	19	− 64	145	+ 83	10	− 9	1·25	31	− 85	2·3	+0 9	29	1024
9. IRELAND, NORTH ...	54	20	79·8	74·7	77·4	− 0·8	29	− 29	113	+ 31	20	− 1	2·29	59	− 54	1·2	0·0	16	1024
10. IRELAND, SOUTH ...	56	20	80·1	74·5	77·5	− 1·7	43	− 48	108	+ 46	17	− 3	2·41	61	− 47	1·4	−0·1	18	1026
11. ENGLISH CHANNEL ...	53	30	80·8	76·8	78·9	− 2·0	58	− 77	49	+ 32	12	− 8	1·84	46	− 53	2·1	+0·3	26	1024

THE YEAR 1917.—Aggregates, &c., for the Period of 52 Weeks, December 31st, 1916, to December 29th, 1917.

0. SCOTLAND, NORTH ..	81	10	83·3	77·4	80·3	− 0·3	2040	− 68	939	+164	256	+10	55·28	1404	+103	3·1	0·0	25	1011
Eastern.																			
1. SCOTLAND, EAST ...	84	−2	83·8	76·5	80·0	− 0·7	2164	−161	1217	+300	199	− 8	30·32	773	− 16	3·6	0·0	30	1012
2. ENGLAND, N.E.	87	5	84·8	77·9	81·2	− 0·4	2758	+ 71	1013	+339	180	− 8	23·58	599	− 32	3·9	−0·1	32	1014
3. ENGLAND, EAST ...	93	5	85·5	78·1	81·7	− 0·5	3129	+ 40	1059	+353	176	− 8	24·55	627	+ 22	4·4	+0·1	36	1015
4. MIDLAND COUNTIES ...	89	4	85·5	77·7	81·4	− 0·5	3006	+ 24	1108	+336	174	− 9	26·78	683	+ 5	3·7	−0·1	30	1015
5. ENGLAND, S.E.	90	4	85·7	78·6	82·1	− 0·7	3220	−114	921	+389	165	−14	28·90	736	+ 36	4·4	−0·1	37	1015
Western.																			
6. SCOTLAND, WEST ...	81	11	84·4	77·9	81·1	− 0·5	2531	− 60	872	+275	218	0	45·70	1162	− 38	3·6	−0·1	29	1014
7. ENGLAND, N.W.	82	5	84·8	78·5	81·5	− 0·5	2815	− 14	863	+325	195	− 6	34·74	886	− 11	3·8	−0·1	31	1015
8. ENGLAND, S.W.	86	4	85·2	78·8	81·9	− 0·8	2992	−189	782	+368	185	−17	35·54	903	− 92	4·2	−0·1	35	1016
9. IRELAND, NORTH ...	76	7	84·6	78·5	81·4	− 0·5	2605	−104	692	+199	243	+ 3	39·58	1008	+ 37	3·3	−0·2	27	1014
10. IRELAND, SOUTH ...	77	9	85·6	79·1	82·2	− 0·6	3056	−104	631	+250	223	+ 9	35·62	906	−113	3·7	−0·3	30	1016
11. ENGLISH CHANNEL ...	83	22	86·1	80·8	83·4	− 0·8	3528	−285	396	+269	194	−17	31·11	789	− 50	4·9	−0·2	41	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics, South Kensington, S.W. 7: January 3rd, 1918.

(11237—19.) Wt. 153—442 450. 5/17. D & S. G 17/37.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1917. FIRST QUARTER (JANUARY, FEBRUARY, MARCH).

Fortieth Year.
VOL. XXXIV. [*New Series.*] { APPENDIX I. 1st Quarter.

CONTINUOUSLY COLD.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-SEVEN YEARS, 1881–1917.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR 35 YEARS, 1881–1915.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1-5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6-10.			11. ENGLISH CHANNEL.			DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.* 1881-1885 ..	65	*361*	*96*	49	*211*	*114*	45	130	100	44	*124*	*97*	45	163	109	43	163	101	45	157	104	58	*335*	*109*	51	224	108	53	246	100	61	239	101	57	302	115	56	269	107	57	208	101	51	213	105
1886-1890 ..	66	*368*	*98*	52	168	91	47	130	100	47	*114*	*89*	43	132	89	44	137	86	47	137	91	53	274	89	50	175	85	49	211	86	56	213	90	50	241	92	52	224	89	57	180	87	49	180	89
1891-1895 ..	64	353	94	48	173	94	49	130	100	48	*112*	*88*	45	124	83	43	135	83	47	135	89	53	267	86	47	170	82	47	206	84	55	198	84	49	216	82	50	211	84	52	180	87	49	173	86
1896-1900 ..	67	371	99	53	170	92	49	137	105	49	*137*	*107*	46	155	104	44	165	102	48	152	101	58	*292*	*95*	53	211	102	54	264	108	61	221	94	53	251	95	56	249	99	58	211	102	52	201	100
1901-1905 ..	69	*419*	*112*	55	193	104	47	117	90	48	*117*	*91*	48	157	105	48	163	104	49	150	99	61	*348*	*113*	56	213	103	54	251	104	67	262	111	60	290	110	60	274	108	61	221	107	51	213	105
1906-1910 ..	69	384	102	52	188	102	47	124	95	49	*127*	*99*	46	135	91	48	155	96	48	145	96	56	323	105	55	226	109	54	234	96	66	267	113	63	244	93	59	259	103	56	196	95	54	203	100
1911-1915 ..	65	368	98	57	198	107	55	144	111	55	162	127	50	177	119	51	209	129	54	178	118	58	323	105	54	229	111	59	299	122	60	246	104	65	296	113	59	278	110	59	247	120	57	228	113
35 years normal ..	**67**	**375**	—	**53**	**185**	—	**48**	**130**	—	**48**	**128**	—	**47**	**149**	—	**46**	**162**	—	**48**	**151**	—	**56**	**309**	—	**52**	**207**	—	**53**	**245**	—	**61**	**236**	—	**56**	**263**	—	**56**	**252**	—	**57**	**206**	—	**52**	**202**	—
1911	58	366	98	51	147	79	45	102	79	54	137	107	42	104	70	45	142	88	47	127	84	49	257	83	44	160	77	48	191	78	48	157	67	54	178	68	49	188	75	55	165	80	48	157	78
1912	67	307	82	64	196	106	59	165	127	58	173	135	57	229	154	58	231	143	59	198	131	62	335	109	60	244	118	70	345	141	58	262	111	72	328	125	64	302	120	61	290	141	62	251	124
1913	66	384	102	59	216	117	55	160	123	52	140	110	53	208	139	50	191	118	55	183	121	59	338	109	56	254	123	62	328	134	64	277	117	67	348	132	61	310	123	58	244	118	58	246	122
1914	68	411	110	57	224	121	54	119	92	52	170	133	51	150	101	53	239	148	53	180	119	65	368	119	58	241	116	60	325	133	68	305	129	72	351	133	65	318	126	63	274	133	59	249	123
1915	67	374	100	55	206	111	60	174	134	61	190	148	49	194	130	50	241	149	55	201	133	56	319	103	51	244	118	55	305	124	60	229	97	58	275	105	56	274	109	56	264	128	56	238	118
1916	73	471	126	63	253	137	57	180	138	59	211	165	58	235	158	60	249	154	59	226	150	62	274	89	61	234	113	65	309	126	63	215	91	71	246	94	65	256	101	70	299	148	62	241	119
1917	58	237	63	50	133	72	50	142	109	50	123	96	44	128	86	43	122	76	48	130	86	44	166	54	42	153	74	41	165	67	54	161	68	51	181	69	46	165	66	49	178	86	47	148	73

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910. The values for 1911 to 1915 are given in the corresponding appendix for 1915.

Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—Prior to the year 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914, 1915, and 1916 the values refer to the period January 1st to March 31st.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from Normal for 35 Years, 1881-1915

YEARS.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts, 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
		Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.*	1881-1885 ..	*276·4*	*- 0·2*	*276·3*	*0·0*	277·1	0·0	277·3	+ 0·2	277·4	+ 0·3	278·2	+ 0·4	277·3	+ 0·2	*277·4*	*0·0*	277·7	+ 0·1	278·9	+ 0·6	278·2	+ 0·1	279·2	+ 0·3	278·3	+ 0·2	280·2	+ 0·2	277·8	+ 0·2
	1886-1890 ..	*276·4*	*- 0·2*	276·2	- 0·1	*276·5*	- 0·6	276·0	- 1·1	276·2	- 0·9	276·8	- 1·0	276·3	- 0·8	277·0	- 0·4	276·8	- 0·8	277·6	- 0·7	277·7	- 0·4	278·4	- 0·5	277·5	- 0·6	279·2	- 0·8	276·9	- 0·7
	1891-1895 ..	276·0	- 0·6	275·7	- 0·6	276·3	- 0·8	276·1	- 1·0	276·2	- 0·9	276·9	- 0·9	276·2	- 0·9	276·7	- 0·7	276·9	- 0·7	277·7	- 0·6	277·5	- 0·6	278·4	- 0·5	277·4	- 0·7	279·4	- 0·6	276·8	- 0·8
	1896-1900 ..	276·7	+ 0·1	276·6	+ 0·3	277·4	+ 0·3	277·5	+ 0·4	277·5	+ 0·4	278·4	+ 0·6	277·5	+ 0 4	277·7	+ 0·3	278·1	+ 0·5	278·9	+ 0·6	278·3	+ 0·2	279·3	+ 0·4	278·4	+ 0·3	280·7	+ 0·7	278·0	+ 0·8
	1901-1905 ..	276 8	+ 0·2	276·5	+ 0·2	277·4	+ 0·3	277·5	+ 0·4	277·4	+ 0·3	278·1	+ 0·3	277·4	+ 0·3	277·7	+ 0·3	277·8	+ 0·2	278·7	+ 0·4	278·1	0·0	279·1	+ 0·2	278·2	+ 0·1	280·3	+ 0·3	277·8	+ 0·2
	1906-1910 ..	276·5	- 0·1	276·2	- 0·1	276·9	- 0·2	277·0	- 0·1	276·9	- 0 2	277·4	- 0·4	276·9	- 0·2	277·4	0·0	277·3	- 0·3	277·9	- 0·4	278·2	+ 0·1	278·9	0·0	277·9	- 0·2	279·9	- 0·1	277·4	- 0·2
	1911-1915 ..	277·2	+ 0·6	276·7	+ 0·4	277·7	+ 0·6	278·1	+ 1·0	277·7	+ 0·6	278·5	+ 0·7	277·7	+ 0·6	277·7	+ 0·3	278·2	+ 0·6	278·7	+ 0·4	278·3	+ 0·2	279·1	+ 0·2	278·4	+ 0·3	280·3	+ 0·3	278·1	+ 0·5
35 years normal	..	**276·6**	—	**276·3**	—	**277·1**	—	**277·1**	—	**277·1**	—	**277·8**	—	**277·1**	—	**277·4**	—	**277·6**	—	**278·3**	—	**278·1**	—	**278·9**	—	**278·1**	—	**280·0**	—	**277·6**	—
1911 ..	..	277·3	+ 0 7	276·8	+ 0·5	277·4	+ 0·3	277·4	+ 0·3	277·3	+ 0·2	277·7	- 0·1	277·3	+ 0·2	277·9	+ 0·5	278·3	+ 0·7	278·1	- 0·2	278·4	+ 0·3	278·9	0·0	278·3	+ 0·2	279·7	- 0·3	277·8	+ 0·2
1912 ..	..	277·3	+ 0·7	276·9	+ 0·6	277·8	+ 0·7	278·7	+ 1·6	278·1	+ 1·0	279·3	+ 1·5	278·1	+ 1·0	277·8	+ 0·4	278·2	+ 0·6	279·3	+ 1·0	278·7	+ 0·6	279·7	+ 0·8	278·7	+ 0·6	281·2	+ 1·2	278·4	+ 0·8
1913 ..	..	277·2	+ 0·6	276·5	+ 0·2	277·4	+ 0·3	278·4	+ 1·3	277·8	+ 0·7	278·9	+ 1·1	277·8	+ 0·7	277·7	+ 0·3	278·1	+ 0·5	279·0	+ 0·7	278·4	+ 0·3	279·0	+ 0·1	278·4	+ 0·3	280·8	+ 0·8	278·2	+ 0·6
1914 ..	..	277·4	+ 0·8	276·9	+ 0·6	278·3	+ 1·2	278·4	+ 1·3	278·3	+ 1·2	278·6	+ 0·8	278·1	+ 1·0	278·1	+ 0·7	278·7	+ 1·1	279·0	+ 0·7	278·6	+ 0·5	279·4	+ 0·5	278·8	+ 0·7	280·3	+ 0·3	278·4	+ 0·8
1915 ..	..	276·6	0·0	276·1	- 0·2	277·2	+ 0·1	277·4	+ 0·3	277·2	+ 0·1	277·9	+ 0·1	277·2	+ 0·1	277·1	- 0·3	277·6	0·0	278·1	- 0·2	277·5	- 0·6	278·2	- 0·7	277·7	- 0·4	279·7	- 0·3	277·4	- 0·2
1916 ..	..	276·8	+ 0·2	276·3	0·0	277·5	+ 0·4	277·9	+ 0·8	277·6	+ 0·5	278·5	+ 0·7	277·6	+ 0·5	277·5	+ 0·1	278·2	+ 0·6	278·6	+ 0·3	278·1	0·0	278·9	0·0	278·2	+ 0·1	280·1	+ 0·1	277·9	+ 0·3
1917 ..	..	275·6	- 1·0	274·7	- 1·6	275·0	- 2·1	274·9	- 2·2	274·7	- 2·4	275·4	- 2·4	275·0	- 2·1	275·7	- 1·7	275·4	- 2·2	275·9	- 2·4	276·5	- 1·6	276·9	- 2·0	276·1	- 2·0	277·7	- 2·3	275·5	- 2·1

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of Normal for 35 Years, 1881-1915.

YEARS.		Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th. hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.*	1881-1885 ..	*·17*	1·9	*97*	*·24*	2·6	*105*	*·22*	2·4	*91*	·25	2·7	98	·22	2·4	98	·25	2·7	98	·24	2·6	100	·19	2·1	93	·19	2·1	87	*·24*	2·6	*94*	·22	2·4	102	·25	2·7	100	·22	2·4	96	·32	3·5	104	·23	2·5	98
	1886-1890 ..	*·16*	1·8	*92*	·21	2·3	93	*·23*	2·5	*95*	·23	2·5	91	·20	2·2	90	·20	2·2	80	·21	2·3	88	·20	2·2	97	·21	2·3	95	*·24*	2·6	*94*	·20	2·2	93	·25	2·7	100	·22	2·4	96	·30	3·3	98	·22	2·4	94
	1891-1895 ..	*·21*	2·3	*117*	*·26*	2·9	*117*	*·29*	3·2	*122*	·29	3·2	116	·27	3·0	123	·30	3·3	120	·28	3·1	119	·24	2·6	114	*·24*	2·6	*107*	*·30*	3·3	*119*	·24	2·6	110	·27	3·0	111	·26	2·9	115	·36	3·9	116	·27	3·0	117
	1896-1900 ..	·18	2·0	102	*·22*	2·4	*97*	·23	2·5	*95*	·25	2·7	98	·22	2·4	98	·24	2·6	94	·23	2·5	96	·20	2·2	97	·22	2·4	99	*·24*	2·6	*94*	·22	2·4	102	·25	2·7	100	·23	2·5	100	·28	3·1	93	·23	2·5	98
	1901-1905 ..	·18	1·8	92	·19	2·1	85	·22	2·4	91	·25	2·7	98	·19	2·1	86	·24	2·6	94	·22	2·4	92	·19	2·1	93	·21	2·3	95	*·23*	2·5	*90*	·20	2·2	93	·22	2·4	89	·21	2·3	92	·27	3·0	90	·22	2·4	94
	1906-1910 ..	·19	2·1	107	·25	2·7	109	·28	3·1	118	·28	3·1	112	·26	2·9	119	·30	3·3	120	·27	3·0	115	·22	2·4	106	·26	2·9	120	·29	3·2	115	·22	2·4	102	·24	2·6	96	·25	2·7	107	·33	3·6	107	·26	2·9	113
	1911-1915 ..	·17	1·9	97	·20	2·3	93	·21	2·3	87	·22	2·5	91	·19	2·1	86	·23	2·5	91	·21	2·3	88	·19	2·1	93	·21	2·4	98	·22	2·4	86	·20	2·3	97	·23	2·6	96	·21	2·3	92	·26	2·9	87	·21	2·3	90
35 years normal	..	**·18**	**2·0**	—	**·23**	**2·5**	—	**·24**	**2 6**	—	**·25**	**2·8**	—	**·22**	**2·4**	—	**·25**	**2·8**	—	**·24**	**2·6**	—	**·21**	**2·3**	—	**·22**	**2·4**	—	**·25**	**2·8**	—	**·22**	**2·4**	—	**·24**	**2·7**	—	**·23**	**2·5**	—	**·31**	**3·4**	—	**·23**	**2·6**	—
1911 ..	..	·20	2·2	113	·23	2·5	101	·21	2·3	88	·23	2·5	89	·20	2·2	92	·24	2·6	93	·22	2·4	91	·22	2·4	103	·23	2·5	104	·24	2·6	93	·24	2·6	112	·26	2·9	103	·24	2·6	103	·27	3·0	87	·23	2·5	97
1912 ..	..	·20	2 2	109	·19	2·2	85	·19	2·0	76	·18	2·0	71	·17	1·8	75	·19	2·0	71	·18	2·0	75	·18	2·0	88	·19	2·7	87	·20	2·2	79	·20	2·3	94	·23	2·5	94	·22	2·2	87	·24	2·6	77	·20	2·1	81
1913 ..	..	·15	1·6	81	·19	2·1	82	·20	2·2	81	·22	2·5	89	·18	2·0	83	·23	2·6	93	·23	2·3	85	·17	1·8	80	·20	2·2	90	·22	2·4	86	·19	2·1	87	·20	2·2	82	·20	2·1	85	·27	3·0	87	·20	2·2	85
1914 ..	..	·17	1·9	98	·21	2·3	91	·21	2·3	87	·25	2·7	96	·18	2·0	83	·25	2·7	96	·22	2·4	90	·16	1·8	78	·19	2·1	96	·20	2·2	79	·17	1·9	78	·21	2·3	84	·19	2·1	81	·26	2·8	81	·20	2·2	86
1915 ..	..	·15	1·7	88	·20	2·2	88	·22	2·5	91	·24	2·7	96	·22	2·4	100	·23	2·6	93	·22	2·5	92	·24	2·7	117	·24	2·6	107	·24	2·8	100	·22	2·4	101	·27	3·0	109	·24	2·7	106	·27	3·0	88	·23	2·6	99
1916 ..	..	·17	1·9	94	·20	2·2	89	·20	2·2	83	·18	2·0	73	·16	1·8	74	·20	2·2	79	·19	2·1	80	·19	2·1	93	·16	1·8	76	·20	2·2	80	·21	2·3	97	·21	2·3	87	·20	2·2	86	·24	2·6	76	·20	2·1	83
1917 ..	..	·16	1·8	89	·22	2·4	95	·17	1·9	74	·15	1·7	63	·14	1·6	64	·20	2·2	79	·18	2·0	75	·20	2·2	97	·19	2·1	88	·25	2·8	101	·21	2·3	97	·23	2·6	96	·22	2·4	96	·26	2·9	85	·20	2·2	86

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910. The values for 1911 to 1915 are given in the corresponding Appendix for 1915.

Meteorological Office, South Kensington, London, S.W. 7.
24th May, 1917.

NAPIER SHAW,
Director.

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WEEKLY WEATHER REPORT, 1917. SECOND QUARTER (APRIL, MAY, JUNE).

Fortieth Year.
VOL. XXXIV. [*New Series.*] { APPENDIX I. 2nd Quarter.

APRIL, COLD. MAY AND JUNE, WARM AND SUNNY, WITH MANY HEAVY THUNDERSTORMS.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-SEVEN YEARS, 1881–1917.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR 35 YEARS, 1881–1915.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1–5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6–10.			11. ENGLISH CHANNEL.			DISTRICTS 1–10 COMBINED.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm	%
LUSTRA.* 1881-1885 ..	51	*216*	*98*	44	*163*	*102*	43	147	107	39	150	110	41	165	109	38	142	104	41	152	106	47	*213*	*99*	42	178	104	44	183	104	52	183	95	46	196	101	46	191	101	45	142	101	44	173	103
1886-1890 ..	54	*196*	*89*	43	152	96	40	122	89	41	130	96	41	163	108	40	145	106	41	142	99	45	224	104	41	165	97	42	165	94	46	180	94	46	191	98	44	185	97	46	150	106	43	165	99
1891-1895 ..	48	180	82	42	140	88	40	132	96	36	122	90	35	130	86	32	97	71	37	124	87	42	170	79	40	152	89	35	135	77	47	168	88	41	180	92	41	160	84	36	119	84	39	142	85
1896-1900 ..	54	226	103	48	175	110	42	137	99	40	137	101	40	147	97	37	127	93	42	145	101	50	*239*	*111*	45	185	108	41	185	105	55	231	120	47	216	111	48	211	111	42	142	101	45	178	107
1901-1905 ..	54	231	105	48	150	94	40	127	92	39	145	107	40	145	96	39	155	114	41	145	101	46	*218*	*101*	44	150	88	41	185	105	53	180	94	46	183	94	46	183	96	45	157	111	44	163	98
1906-1910 ..	59	246	112	52	183	115	47	155	112	43	157	115	46	170	113	43	163	120	46	165	115	51	246	114	50	201	118	48	203	115	58	221	115	56	211	108	53	218	115	41	142	101	50	191	114
1911-1915 ..	52	242	110	43	147	92	36	143	104	34	111	82	35	135	89	31	120	88	36	131	92	46	205	95	41	165	97	39	177	101	47	179	93	48	188	96	44	183	96	39	132	94	40	157	94
35 years normal ..	**53**	**220**	—	**46**	**159**	—	**41**	**138**	—	**39**	**136**	—	**40**	**151**	—	**37**	**136**	—	**41**	**143**	—	**47**	**216**	—	**43**	**171**	—	**41**	**176**	—	**51**	**192**	—	**47**	**195**	—	**46**	**190**	—	**42**	**141**	—	**44**	**167**	—
1916	61	265	121	52	255	160	45	153	111	44	148	109	43	137	91	40	133	98	45	166	116	53	266	123	46	205	120	45	179	102	60	270	141	59	257	132	52	236	124	39	90	64	49	201	120
1917	57	200	91	39	164	103	38	120	87	34	122	90	37	163	108	33	171	126	36	148	103	46	221	102	40	177	104	40	192	109	51	205	107	45	165	85	44	192	101	39	148	105	40	170	102

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Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

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TABLE II.—Mean Temperature in Degrees Absolute and Deviation from Normal for 35 Years, 1881-1915

YEARS.		0. Scot-land, N.		Eastern Districts.										Western Districts.										11. English Channel.		Districts 1-10 combined.	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts, 1-5.		6. Scot-land, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.					
		°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.	°A. 200+	Devn.
Lustra.*	1881-1885 ..	*81·7*	*0·0*	82·2	0·0	82·5	− 0·4	83·8	+ 0·1	83·7	0·0	84·4	0·0	83·3	− 0·1	*82·7*	*− 0·3*	83·2	− 0·2	83·6	− 0·4	83·1	0·0	83·6	− 0·4	83·3	− 0·2	84·3	− 0·4	83·3	− 0·2
	1886-1890 ..	81·7	+ 0·3	82·4	+ 0·2	82·8	− 0·1	83·8	+ 0·1	84·0	+ 0·3	84·8	+ 0·4	83·6	+ 0·2	83·3	+ 0·3	83·8	+ 0·4	84·4	+ 0·4	83·7	+ 0·5	84·4	+ 0·4	83·9	+ 0·4	85·2	+ 0·5	83·8	+ 0·3
	1891-1895 ..	82·0	+ 0·2	82·4	+ 0·2	82·9	0·0	83·8	+ 0·1	83·8	+ 0·1	84·6	+ 0·2	83·5	+ 0·1	83·2	+ 0·2	83·8	+ 0·4	84·3	+ 0·3	83·5	+ 0·3	84·4	+ 0·4	83·8	+ 0·3	85·0	+ 0·3	83·7	+ 0·2
	1896-1900 ..	81·9	+ 0·2	82·4	+ 0·2	82·9	0·0	83·8	+ 0·1	83·8	+ 0·1	84·6	+ 0·2	83·5	+ 0·1	83·2	+ 0·2	83·8	+ 0·4	84·3	+ 0·3	83·5	+ 0·3	84·4	+ 0·4	83·8	+ 0·3	85·0	+ 0·3	83·7	+ 0·2
	1901-1905 ..	81·6	− 0·1	81·9	− 0·3	82·8	− 0·1	83·6	− 0·1	83·3	− 0·4	84·0	− 0·4	83·1	− 0·3	82·8	− 0·2	83·3	− 0·1	83·8	− 0·2	82·9	− 0·3	83·8	− 0·2	83·3	− 0·2	84·7	0·0	83·2	− 0·3
	1906-1910 ..	81·3	− 0·4	81·7	− 0·5	82·9	0·0	83·7	0·0	83·4	− 0·3	83·9	− 0·5	83·2	− 0·2	82·7	− 0·3	83·1	− 0·3	83·5	− 0·5	82·7	− 0·5	83·6	− 0·4	83·1	− 0·4	84·6	− 0·1	83·2	− 0·3
	1911-1915 ..	81·9	+ 0·2	82·4	+ 0·2	83·4	+ 0·5	84·4	+ 0·7	84·1	+ 0·4	84·6	+ 0·2	83·8	+ 0·4	83·3	+ 0·3	83·7	+ 0·3	84·3	+ 0·3	83·2	0·0	81·2	+ 0·2	83·7	+ 0·2	85·0	+ 0·3	83·8	+ 0·3
35 years normal	..	**81·7**	—	**82·2**	—	**82·9**	—	**83·7**	—	**83·7**	—	**84·4**	—	**83·4**	—	**83·0**	—	**83·4**	—	**84·0**	—	**83·2**	—	**84·0**	—	**83·5**	—	**84·7**	—	**83·5**	—
1916 ..	..	81·2	− 0·5	81·4	− 0·8	82·7	− 0·2	83·6	− 0·1	83·3	− 0·4	84·0	− 0·4	83·0	− 0·4	82·4	− 0·6	83·0	− 0·4	83·4	− 0·6	82·2	− 1·0	83·4	− 0·6	82·9	− 0·6	84·4	− 0·3	83·0	− 0·5
1917 ..	..	81·2	− 0·5	81·5	− 0·7	82·9	0·0	84·4	+ 0·7	84·1	+ 0·4	84·7	+ 0·3	83·5	+ 0·1	82·6	− 0·4	83·4	0·0	83·9	− 0·1	82·6	− 0·6	83·9	− 0·1	83·3	− 0·2	84·9	+ 0·2	83·4	− 0·1

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the "Guide to the Tables contained in the Weekly issues."

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of Normal for 35 Years, 1881-1915.

YEARS.		0. Scot-land, N.			Eastern Districts.																Western Districts.																11. English Channel.			Districts 1-10 combined.		
					1. Scot-land, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts, 1-5.			6. Scot-land, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.								
		Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.*	1881-1885 ..	*·45*	4·9	% *98*	*·50*	5·5	% *98*	*·56*	6·1	% *105*	·60	6·6	% 103	·52	5·8	% 100	·58	6·4	% 98	·55	6·1	% 101	·54	5·9	% 100	·54	6·0	% 99	*·57*	6·2	% *98*	·50	5·5	% 101	·56	6·1	% 103	·54	6·0	% 100	·70	7·7	% 104	·54	6·0	% 100
	1886-1890 ..	*·41*	4·5	*90*	·51	5·6	100	*·49*	5·4	*92*	·53	5·9	92	·48	5·2	91	·53	5·8	90	·51	5·5	93	·53	5·9	99	·50	5·5	92	*·55*	6·0	*95*	·49	5·4	98	·54	5·9	100	·52	5·7	97	·64	7·0	95	·52	5·7	95
	1891-1895 ..	*·51*	5·6	*112*	*·55*	6·0	*108*	*·57*	6·3	*107*	·59	6·4	100	·56	6·2	108	·64	7·0	108	·58	6·4	106	·56	6·1	104	*·55*	6·1	*101*	*·63*	6·9	*108*	·52	5·7	104	·56	6·1	103	·56	6·2	114	·75	8·3	112	·57	6·3	106
	1896-1900 ..	*·47*	5·2	*104*	*·50*	5·5	*98*	*·51*	5·6	*96*	·57	6·2	97	·53	5·8	101	·59	6·5	100	·51	5·9	99	·53	5·9	99	·57	6·3	104	*·60*	6·6	*103*	·49	5·4	98	·54	5·9	99	·55	6·0	101	·69	7·5	101	·54	6·0	100
	1901-1905 ..	·48	5·3	105	·51	5·6	100	*·56*	6·2	*105*	·59	6·5	101	·52	5·7	99	·59	6·4	100	·55	6·1	101	·55	6·1	102	·59	6·4	107	*·56*	6·2	*97*	·52	5·7	104	·54	5·9	100	·55	6·1	102	·66	7·2	97	·55	6·1	101
	1906-1910 ..	·45	4·9	98	·49	5·4	96	·50	5·5	94	·59	6·4	100	·51	5·6	97	·61	6·7	103	·54	5·9	98	·52	5·7	96	·53	5·8	96	·57	6·2	98	·47	5·2	95	·51	5·6	95	·52	5·7	96	·65	7·1	96	·53	5·8	97
	1911-1915 ..	·44	4·9	97	·50	5·6	100	·53	5·9	101	·61	6·8	106	·53	5·9	103	·63	7·0	107	·57	6·3	103	·52	5·8	98	·56	6·2	102	·57	6·3	97	·49	5·4	98	·52	5·8	97	·53	5·9	99	·63	7·0	95	·55	6·1	101
35 years normal	..	**·46**	**5·0**	—	**·51**	**5·6**	—	**·53**	**5 9**	—	**·58**	**6·4**	—	**·52**	**5·7**	—	**·60**	**6·5**	—	**·55**	**6·0**	—	**·54**	**5·9**	—	**·55**	**6·0**	—	**·58**	**6·4**	—	**·50**	**5·5**	—	**·54**	**5·9**	—	**54**	**5·9**	—	**·67**	**7·4**	—	**·54**	**6·0**	—
1916 ..	..	·35	3·9	77	·40	4·4	79	·43	4·8	82	·51	5·7	89	·45	5·0	87	·57	6·3	96	·47	5·2	87	·52	5·8	98	·49	5·5	91	·55	6·1	95	·45	5·0	92	·53	5·9	99	·51	5·7	95	·64	7·1	96	·49	5·5	91
1917 ..	..	·45	4·9	98	·50	5·4	97	·52	5·9	100	·61	6·7	105	·52	5·7	99	·62	6·8	104	·56	6·1	101	·49	5·4	91	·54	5·9	98	·61	6·7	104	·44	4·8	88	·51	5·6	94	·52	5·7	95	·72	7·9	107	·54	5·9	98

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910. The values for 1911 to 1915 are given in the corresponding Appendix for 1915.

Meteorological Office, South Kensington, London, S.W. 7.
3rd August, 1917.

NAPIER SHAW,
Director.

(13994—19.) Wt. 153—442. 450. 11/17. D & S. G 17/37.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1917. THIRD QUARTER (JULY, AUGUST, SEPTEMBER).

Fortieth Year.
VOL. XXXIV. [*New Series.*] { APPENDIX I. 3rd Quarter.

A WET AUGUST GIVES ITS CHARACTER TO THE QUARTER.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE OF THE THIRD QUARTER FOR THE THIRTY-SEVEN YEARS, 1881–1917.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR 35 YEARS, 1881–1915.

YEARS	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1-5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6-10.			11. ENGLISH CHANNEL.			DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm	%
LUSTRA.* 1881-1885 ..	56	*259*	*89*	51	*236*	*113*	46	185	108	45	*178*	*111*	45	191	110	44	168	101	48	191	109	53	*312*	*107*	49	249	106	52	254	111	60	262	105	53	259	106	53	267	107	54	193	107	50	229	107
1886-1890 ..	60	*292*	*100*	51	193	93	46	193	113	45	*175*	*109*	43	173	99	40	175	105	45	183	104	51	277	95	47	236	100	48	231	101	58	262	105	50	231	94	50	246	98	46	180	100	48	216	101
1891-1895 ..	65	361	123	53	236	113	47	185	108	45	*183*	*114*	45	178	102	45	206	124	47	198	113	52	312	107	50	272	115	49	264	115	60	264	106	51	264	108	52	274	110	48	236	124	50	236	110
1896-1900 ..	58	325	111	50	206	99	39	157	92	35	*137*	*85*	36	157	90	33	142	86	39	160	91	55	*310*	*107*	46	239	101	42	206	90	56	254	102	48	257	105	49	254	102	42	160	88	44	208	97
1901-1905 ..	63	305	104	53	203	98	42	168	98	36	*160*	*99*	40	191	110	39	178	107	42	180	102	51	*330*	*113*	49	213	90	46	231	101	61	274	110	52	259	106	52	262	105	49	188	103	47	221	103
1906-1910 ..	59	267	91	49	203	98	43	147	86	40	135	84	41	160	92	37	142	86	42	157	89	49	290	100	48	226	96	43	203	89	54	229	92	52	208	85	49	231	92	38	127	70	45	196	92
1911-1915 ..	52	234	80	43	180	87	40	164	96	38	157	98	37	168	97	34	149	90	38	164	93	44	205	70	41	214	91	40	216	94	50	205	82	51	238	97	45	215	86	38	189	105	42	190	89
35 years normal ..	**59**	**292**	—	**50**	**208**	—	**43**	**171**	—	**41**	**161**	—	**41**	**174**	—	**39**	**166**	—	**43**	**176**	—	**51**	**291**	—	**47**	**236**	—	**45**	**229**	—	**57**	**250**	—	**51**	**245**	—	**50**	**250**	—	**45**	**180**	—	**47**	**214**	—
1911	57	295	101	40	107	51	32	119	70	26	79	49	25	91	52	22	69	42	29	94	53	49	203	70	37	196	83	27	135	59	46	183	73	42	216	88	40	185	74	25	122	68	35	140	65
1912	48	251	86	43	224	108	51	234	137	48	272	168	46	254	146	44	196	118	46	236	134	41	244	84	51	272	115	50	315	137	47	241	96	55	259	106	49	267	107	52	297	165	47	251	117
1913	42	132	45	36	117	56	34	104	61	36	119	74	31	114	66	34	142	86	34	119	68	33	145	50	34	157	67	32	137	60	43	155	62	41	157	64	37	150	60	33	114	63	36	135	63
1914	55	254	87	42	175	84	36	157	92	36	109	68	40	168	97	35	140	84	38	150	85	44	239	82	42	241	102	46	272	119	52	211	84	57	287	117	48	249	100	46	226	125	43	201	93
1915	60	238	82	53	275	132	45	208	122	42	206	128	41	212	122	35	199	120	43	220	125	48	195	67	41	206	87	45	221	96	62	235	94	61	271	111	51	226	90	35	184	102	47	223	104
1916	52	182	63	48	238	114	40	169	99	40	141	88	37	146	84	33	146	88	40	168	96	46	233	80	39	182	77	32	215	94	49	179	72	47	185	76	43	199	80	34	177	98	42	184	86
1917	59	342	117	50	223	107	45	197	115	41	228	142	46	225	129	45	262	158	46	227	129	54	282	97	47	262	111	49	296	129	64	278	111	62	322	132	55	288	115	47	208	115	51	257	122

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—Prior to the year 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months July, August, September, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. From 1914 the values refer to the period July 1st to September 30th.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from Normal for 35 Years, 1881-1915.

YEARS.	0. Scotland, N.	Eastern Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	Districts, 1-5.	Western Districts. 6. Scotland, W.	7. England, N.W. and N. Wales.	8. S. Wales and England, S.W.	9. Ireland, N.	10. Ireland, S.	Districts, 6-10.	11. English Channel.	Districts 1-10 combined.
	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.	Mean a. / Devn. a.
Lustra.* 1881-1885 ..	*285·1* / *0·0*	*285·7* / *0·0*	286·8 / − 0·2	287·7 / − 0·3	287·3 / − 0·2	288·3 / − 0·2	287·2 / − 0·1	*286·1* / *− 0·1*	286·8 / − 0·3	287·3 / − 0·4	286·2 / − 0·2	286·8 / − 0·4	286·6 / − 0·3	288·3 / − 0·6	286·9 / − 0·2
1886-1890 ..	*284·6* / *− 0·5*	285·5 / − 0·2	286·5 / − 0·5	287·6 / − 0·4	287·1 / − 0·4	288·1 / − 0·4	286·9 / − 0·4	285·8 / − 0·4	286·7 / − 0·4	287·3 / − 0·4	286·2 / − 0·2	287·0 / − 0·2	286·6 / − 0·3	288·4 / − 0·5	286·8 / − 0·3
1891-1895 ..	285·1 / 0·0	285·8 / + 0·1	286·8 / − 0·2	287·8 / − 0·2	287·3 / − 0·2	288·4 / − 0·1	287·2 / − 0·1	286·2 / 0·0	287·2 / + 0·1	287·6 / − 0·1	286·4 / 0·0	287·1 / − 0·1	286·9 / 0·0	289·0 / + 0·1	287·1 / 0·0
1896-1900 .	285·5 / + 0·4	286·2 / + 0·5	287·4 / + 0·4	288·6 / + 0·6	288·1 / + 0·6	289·3 / + 0·8	287·9 / + 0·6	286·6 / + 0·4	287·7 / + 0·6	288·5 / + 0·8	286·9 / + 0·5	287·9 / + 0·7	287·5 / + 0·6	289·9 / + 1·0	287·7 / + 0·6
1901-1905 ..	*285·1* / *0·0*	285·7 / 0·0	287·2 / + 0·2	288·3 / + 0·3	287·4 / − 0·1	288·5 / 0·0	287·4 / + 0·1	286·2 / 0·0	287·2 / + 0·1	287·9 / + 0·2	286·3 / − 0·1	287·3 / + 0·1	287·0 / + 0·1	289·1 / + 0·2	287·2 / + 0·1
1906-1910 ..	284·9 / − 0·2	285·4 / − 0·3	286·9 / − 0·1	287·8 / − 0·2	287·3 / − 0·2	288·1 / − 0·4	287·1 / − 0·2	286·2 / 0·0	286·8 / − 0·3	287·5 / − 0·2	286·3 / − 0·1	287·2 / 0·0	286·8 / − 0·1	288·8 / − 0·1	287·0 / − 0·1
1911-1915 ..	285·3 / + 0·2	285·7 / 0·0	287·2 / + 0·2	288·3 / + 0·3	287·7 / + 0·2	288·5 / 0·0	287·5 / + 0·2	286·4 / + 0·2	287·3 / + 0·2	287·9 / + 0·2	286·4 / 0·0	287·4 / + 0·2	287·1 / + 0·2	289·0 / + 0·1	287·3 / + 0·2
35 years normal ..	**285·1** / —	**285·7** / —	**287·0** / —	**288·0** / —	**287·5** / —	**288·5** / —	**287·3** / —	**286·2** / —	**287·1** / —	**287·7** / —	**286·4** / —	**287·2** / —	**286·9** / —	**288·9** / —	**287·1** / —
1911	285·8 / + 0·7	286·6 / + 0·9	288·7 / + 1·7	290·4 / + 2·4	289·6 / + 2·1	290·6 / + 2·1	289·2 / + 1·9	287·3 / + 1·1	288·7 / + 1·6	289·8 / + 2·1	287·4 / + 1·0	288·5 / + 1·3	288·3 / + 1·4	291·0 / + 2·1	288·8 / + 1·7
1912	284·2 / − 0·9	284·4 / − 1·3	285·7 / − 1·3	287·1 / − 0·9	286·1 / − 1·4	287·1 / − 1·4	286·1 / − 1·2	285·3 / − 0·9	285·9 / − 1·2	286·4 / − 1·3	284·9 / − 1·5	285·8 / − 1·4	285·7 / − 1·2	287·5 / − 1·4	285·9 / − 1·2
1913	285·3 / + 0·2	285·8 / + 0·1	286·8 / − 0·2	287·6 / − 0·4	287·6 / + 0·1	288·2 / − 0·3	287·2 / − 0·1	286·3 / + 0·1	287·2 / + 0·1	288·1 / + 0·4	286·3 / − 0·1	287·5 / + 0·3	287·1 / + 0·2	288·8 / − 0·1	287·2 / + 0·1
1914	285·7 / + 0·6	286·0 / + 0·3	287·7 / + 0·7	288·7 / + 0·7	287·9 / + 0·4	288·8 / + 0·3	287·8 / + 0·5	286·8 / + 0·6	287·7 / + 0·6	288·0 / + 0·3	286·9 / + 0·5	287·8 / + 0·6	287·4 / + 0·5	289·2 / + 0·3	287·7 / + 0·6
1915	285·3 / + 0·2	285·7 / 0·0	287·0 / 0·0	287·9 / − 0·1	287·1 / − 0·4	288·0 / − 0·5	287·2 / − 0·1	286·3 / + 0·1	287·0 / − 0·1	287·4 / − 0·3	286·4 / 0·0	287·3 / + 0·1	286·9 / 0·0	288·6 / − 0·3	287·0 / − 0·1
1916	285·3 / + 0·2	285·8 / + 0·1	287·1 / + 0·1	287·7 / − 0·3	287·7 / + 0·2	288·3 / − 0·2	287·3 / 0·0	287·0 / + 0·8	287·5 / + 0·4	288·2 / + 0·5	287·1 / + 0·7	288·3 / + 1·1	287·6 / + 0·7	289·2 / + 0·3	287·5 / + 0·4
1917	286·1 / + 1·0	286·4 / + 0·7	287·9 / + 0·9	288·8 / + 0·8	288·3 / + 0·8	288·8 / + 0·3	288·0 / + 0·7	287·3 / + 1·1	288·0 / + 0·9	288·0 / + 0·3	287·2 / + 0·8	288·0 / + 0·8	287·7 / + 0·8	289·0 / + 0·1	287·9 / + 0·8

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the "Guide to the Tables contained in the Weekly issues."

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of Normal for 35 Years, 1881-1915.

YEARS.	0. Scotland, N.			1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts, 1-5.		
	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.* 1881-1885 ..	*·32*	*3·5*	*98*	*·41*	*4·5*	*98*	*·47*	*5·1*	*97*	*·50*	*5·5*	*93*	*·46*	*5·0*	*94*	*·53*	*5·7*	*92*	*·47*	*5·2*	*96*
1886-1890 ..	*·30*	*3·3*	*87*	*·41*	*4·5*	*107*	*·45*	*4·8*	*93*	*·51*	*5·5*	*94*	*·46*	*5·0*	*94*	*·51*	*5·6*	*90*	*·47*	*5·1*	*93*
1891-1895 ..	*·31*	*3·3*	*87*	*·41*	*4·5*	*107*	*·47*	*5·1*	*98*	*·51*	*5·6*	*95*	*·47*	*5·1*	*96*	*·54*	*5·9*	*95*	*·48*	*5·2*	*95*
1896-1900 ..	*·39*	*4·2*	*110*	*·47*	*5·1*	*110*	*·51*	*5·5*	*106*	*·60*	*6·5*	*111*	*·53*	*5·8*	*109*	*·65*	*7·0*	*113*	*·55*	*6·0*	*109*
1901-1905 ..	*·37*	*4·0*	*105*	*·42*	*4·5*	*98*	*·51*	*5·6*	*107*	*·58*	*6·3*	*108*	*·49*	*5·3*	*100*	*·58*	*6·3*	*102*	*·52*	*5·6*	*102*
1906-1910 ..	*·37*	*4·0*	*105*	*·42*	*4·5*	*98*	*·47*	*5·1*	*99*	*·54*	*5·8*	*100*	*·48*	*5·2*	*98*	*·57*	*6·2*	*104*	*·50*	*5·4*	*98*
1911-1915 ..	*·35*	*3·9*	*103*	*·40*	*4·4*	*96*	*·46*	*5·1*	*98*	*·53*	*5·9*	*100*	*·46*	*5·1*	*96*	*·57*	*6·3*	*102*	*·49*	*5·4*	*98*
35 years normal ..	**·34**	**3·8**	—	**·41**	**4·6**	—	**·47**	**5·2**	—	**·53**	**5·9**	—	**·48**	**5·3**	—	**·56**	**6·2**	—	**·50**	**5·5**	—
1911	·43	4·7	124	·53	5·8	125	·65	7·1	126	·76	8·3	141	·68	7·4	140	·85	9·2	148	·69	7·6	138
1912	·32	3·5	92	·27	2·9	63	·30	3·2	62	·40	4·4	75	·31	3·3	62	·41	4·4	71	·34	3·6	65
1913	·33	3·7	97	·36	4·0	86	·39	4·3	81	·42	4·6	77	·35	3·9	74	·44	4·8	77	·39	4·3	78
1914	·37	4·1	108	·44	4·9	107	·52	5·8	112	·56	6·2	105	·50	5·6	106	·62	6·9	111	·53	5·9	107
1915	·33	3·6	95	·40	4·4	94	·49	5·3	101	·53	5·8	97	·48	5·2	98	·56	6·1	98	·49	5·4	98
1916	·29	3·2	83	·36	4·0	87	·42	4·7	90	·42	4·7	79	·42	4·7	89	·50	5·5	88	·42	4·7	86
1917	·40	4·5	118	·40	4·5	98	·46	5·1	98	·55	6·1	103	·44	4·9	94	·53	5·9	95	·48	5·3	96

YEARS.	6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.			11. English Channel.			Districts 1-10 combined.		
	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.* 1881-1885 ..	*·44*	*4·8*	*96*	*·44*	*4·8*	*92*	*·51*	*5·5*	*95*	*·36*	*4·0*	*93*	*·43*	*4·7*	*96*	*·44*	*4·8*	*96*	*·65*	*7·0*	*99*	*·46*	*5·0*	*96*
1886-1890 ..	*·43*	*4·7*	*94*	*·43*	*4·7*	*90*	*·49*	*5·3*	*91*	*·36*	*3·9*	*91*	*·44*	*4·8*	*98*	*·43*	*4·7*	*94*	*·64*	*6·9*	*98*	*·45*	*4·9*	*94*
1891-1895 ..	*·44*	*4·8*	*96*	*·42*	*4·6*	*88*	*·49*	*5·4*	*93*	*·37*	*4·0*	*93*	*·41*	*4·4*	*90*	*·43*	*4·7*	*94*	*·64*	*7·0*	*98*	*·46*	*5·0*	*96*
1896-1900 ..	*·45*	*4·9*	*98*	*·51*	*5·5*	*106*	*·59*	*6·4*	*110*	*·41*	*4·5*	*105*	*·48*	*5·2*	*106*	*·49*	*5·3*	*106*	*·72*	*7·8*	*110*	*·52*	*5·7*	*109*
1901-1905 ..	*·47*	*5·2*	*104*	*·51*	*5·6*	*108*	*·53*	*5·8*	*100*	*·39*	*4·3*	*100*	*·44*	*4·8*	*98*	*·47*	*5·1*	*102*	*·63*	*6·9*	*97*	*·50*	*5·4*	*104*
1906-1910 ..	*·46*	*5·0*	*100*	*·49*	*5·3*	*102*	*·50*	*5·9*	*102*	*·41*	*4·5*	*105*	*·46*	*5·0*	*102*	*·47*	*5·1*	*102*	*·62*	*6·8*	*97*	*·48*	*5·2*	*101*
1911-1915 ..	*·45*	*5·0*	*100*	*·50*	*5·5*	*106*	*·53*	*5·9*	*102*	*·41*	*4·6*	*107*	*·45*	*5·0*	*102*	*·47*	*5·2*	*104*	*·62*	*6·9*	*97*	*·48*	*5·3*	*102*
35 years normal ..	**·45**	**5·0**	—	**·47**	**5·2**	—	**·52**	**5·8**	—	**·39**	**4·3**	—	**·44**	**4·9**	—	**45**	**5·0**	—	**·64**	**7·1**	—	**·47**	**5·2**	—
1911	·57	6·2	124	·66	7·2	138	·73	7·9	136	·53	5·8	135	·60	6·5	133	·62	6·7	134	·83	9·0	127	·66	7·1	138
1912	·36	4·0	80	·35	3·7	71	·36	3·9	67	·34	3·7	86	·35	3·8	78	·35	3·8	76	·45	4·9	70	·35	3·7	71
1913	·46	5·0	100	·49	5·4	104	·49	5·4	93	·41	4·6	107	·44	4·9	100	·46	5·0	100	·56	6·2	86	·43	4·7	89
1914	·47	5·2	104	·54	6·0	115	·56	6·1	105	·43	4·8	112	·43	4·8	98	·49	5·4	108	·60	6·7	94	·51	5·7	109
1915	·46	5·0	100	·49	5·3	102	·55	6·0	103	·37	4·0	93	·47	5·1	104	·47	5·1	102	·71	7·7	108	·48	5·2	100
1916	·41	4·6	93	·43	4·8	92	·50	5·6	97	·34	3·8	88	·41	4·6	95	·42	4·7	93	·63	7·0	98	·42	4·7	90
1917	·44	4·9	98	·46	5·1	98	·46	5·1	87	·40	4·5	105	·41	4·6	95	·43	4·8	96	*·58*	*6·4*	*90*	·46	5·1	97

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Meteorological Office, South Kensington, London, S.W. 7.
November 10th, 1917.

NAPIER SHAW,
Director.

(16372—19.) Wt. 153—442. 450. 3/18. D & S. G 17/37.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1917. FOURTH QUARTER (OCTOBER, NOVEMBER, DECEMBER).

Fortieth Year. VOL. XXXIV. [*New Series.*] | APPENDIX I. 4th Quarter.

OCTOBER—STORMY, NOVEMBER—WARM, DECEMBER—COLD AND DRY.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE OF THE FOURTH QUARTER FOR THE THIRTY-SEVEN YEARS, 1881–1917.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR 35 YEARS, 1881–1915.

YEARS.	0. Scot-land, N.			Eastern Districts. 1. Scot-land, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.* 1881-1885 ..	68	*411*	*96*	54	*336*	*99*	55	185	97	59	*211*	*115*	55	2·8	106	52	226	93	55	216	101
1886-1890 ..	71	*422*	*98*	57	226	95	53	185	97	51	*155*	*85*	56	183	89	5	224	92	53	196	92
1891-1895 ..	67	442	103	5?	224	94	54	183	96	55	*196*	*107*	52	211	102	54	267	110	54	216	101
1896-1900 ..	69	488	114	57	259	108	53	206	108	49	*150*	*82*	49	191	93	47	208	85	51	203	95
1901-1905 ..	69	*401*	*94*	57	213	89	48	188	99	47	*145*	*79*	47	168	82	47	198	81	49	183	86
1906-1910 ..	70	389	91	57	249	104	54	193	101	54	201	110	56	231	112	54	267	110	55	2·9	10
1911-1915 ..	67	440	103	59	268	112	56	199	104	57	221	121	53	240	116	53	315	129	56	249	117
35 years normal ..	**69**	**428**	—	**56**	**239**	—	**53**	**191**	—	**53**	**183**	—	**52**	**206**	—	**51**	**244**	—	**53**	**213**	—
1911	64	399	93	64	330	138	66	221	116	62	246	134	64	257	125	62	391	161	63	290	136
1912	79	561	131	61	279	117	54	196	103	57	213	116	48	224	109	53	277	113	55	239	112
1913	71	521	122	52	170	71	47	140	73	50	155	85	50	183	89	47	218	89	50	173	81
1914	64	437	10?	60	290	121	61	224	117	62	267	146	51	287	139	58	363	149	59	287	13?
1915	59	284	66	56	271	113	54	215	113	53	224	122	47	249	121	47	324	133	51	257	121
1916	71	522	12?	63	321	134	58	213	112	55	214	117	56	234	113	55	332	136	57	263	124
1917	81	622	14?	59	247	103	47	141	74	50	155	8	48	158	77	48	183	75	50	177	82

YEARS.	Western Districts. 6. Scot-land, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.			11. English Channel.			Districts 1-10 combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm	%
LUSTRA.* 1881-1885 ..	58	*419*	*108*	56	279	99	62	348	100	64	300	102	61	300	94	60	329	101	67	315	101	58	273	101
1886-1890 ..	58	389	100	59	272	96	62	345	99	61	307	105	59	320	100	60	325	99	69	302	96	57	262	97
1891-1895 ..	59	404	104	58	297	105	59	371	106	64	287	98	58	335	104	60	338	103	64	312	100	57	277	103
1896-1900 ..	61	*391*	*101*	51	282	100	57	343	98	63	300	102	58	366	114	59	335	103	61	287	92	55	269	100
1901-1905 ..	60	*373*	*96*	53	262	9?	53	279	80	66	279	95	57	262	82	58	292	89	64	269	86	54	233	89
1906-1910 ..	60	371	95	61	297	105	64	363	104	66	269	92	69	300	94	64	320	98	65	335	107	60	274	102
1911-1915 ..	60	374	96	57	296	105	60	391	112	62	309	106	66	359	112	61	346	106	65	370	118	58	297	110
35 years normal ..	**59**	**389**	—	**57**	**282**	—	**60**	**349**	—	**64**	**293**	—	**61**	**320**	—	**60**	**327**	—	**65**	**313**	—	**57**	**270**	—
1911	61	442	114	63	3 5	119	69	445	127	61	353	121	72	434	136	65	401	123	72	442	141	64	345	128
1912	67	389	100	60	315	112	58	373	107	65	300	10?	69	269	84	64	330	101	67	338	108	60	284	105
1913	67	343	88	59	244	87	6	312	89	65	300	102	67	325	102	63	305	93	63	302	97	56	239	89
1914	56	363	93	55	318	113	60	404	116	58	300	102	60	378	118	5?	353	108	61	381	122	59	320	119
1915	51	332	85	48	268	9	54	423	121	60	294	100	60	388	121	55	341	104	60	387	124	53	299	111
1916	74	435	112	60	320	113	63	409	117	76	375	128	76	460	144	71	400	122	71	374	120	64	332	123
1917	69	489	126	62	287	102	53	245	70	74	351	120	67	237	74	65	322	98	60	244	78	58	250	90

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the list of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—Previous to 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months October, November, December. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. From 1914 the values refer to the period October 1st to December 31st.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from Normal for 35 Years, 1881-1915.

Years.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts, 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.* 1881-1885 ..	278·3	− 0·5	278·1	− 0·3	279·3	− 0·2	279·3	− 0·5	279·1	− 0·2	280·3	− 0·3	279·2	− 0·3	279·2	− 0·1	279·7	− 0·3	281·1	+ 0·2	279·6	− 0·4	280·6	− 0·1	280·1	− 0·1	282·5	− 0·4	279·7	− 0·2
1886-1890 ..	278·7	− 0·1	278·3	− 0·1	278·9	− 0·6	278·7	− 1·1	278·6	− 0·7	279·7	− 0·9	278·9	− 0·6	279·3	− 0·3	279·4	− 0·6	280·3	− 0·6	279·8	− 0·2	280·5	− 0·2	279·9	− 0·3	282·3	− 0·6	279·4	− 0·5
1891-1895 ..	278·5	− 0·3	278·0	− 0·4	279·1	− 0·4	279·5	− 0·3	279·1	− 0·2	280·6	0·0	279·2	− 0·3	279·4	− 0·2	279·9	− 0·1	280·9	0·0	279·6	− 0·4	280·5	− 0·2	280·1	− 0·1	282·9	0·0	279·7	− 0·2
1896-1900	279·2	+ 0·4	278·9	+ 0·5	280·1	+ 0·6	280·2	+ 0·4	279·7	+ 0·4	281·3	+ 0·7	280·1	+ 0·6	280·2	+ 0·6	280·7	+ 0·7	281·4	+ 0·5	280·4	+ 0·4	281·4	+ 0·7	280·8	+ 0·6	283·6	+ 0·7	280·4	+ 0·5
1901-1905 ..	278·8	0·0	278·4	0·0	279·3	− 0·2	279·5	− 0·3	278·9	− 0·4	280·2	− 0·4	279·3	− 0·2	279·6	0·0	279·8	− 0·2	280·5	− 0·4	280·1	+ 0·1	280·8	+ 0·1	280·1	− 0·1	282·7	− 0·2	279·7	− 0·2
1906-1910 ..	279·2	+ 0·4	278·9	+ 0·5	279·9	+ 0·4	280·6	+ 0·8	279·9	+ 0·6	281·1	+ 0·5	280·1	+ 0·6	279·8	+ 0·2	280·3	+ 0·3	281·2	+ 0·3	280·5	+ 0·5	281·1	+ 0·4	280·6	+ 0·4	283·3	+ 0·4	280·4	+ 0·5
1911-1915 ..	278·9	+ 0·1	278·4	0·0	279·8	+ 0·3	280·5	+ 0·7	279·8	+ 0·5	281·1	+ 0·5	279·9	+ 0·4	279·7	+ 0·1	280·3	+ 0·3	281·2	+ 0·3	280·3	+ 0·3	280·9	+ 0·2	280·4	+ 0·2	283·1	+ 0·2	280·2	+ 0·3
35 years normal ..	**278·8**	—	**278·4**	—	**279·5**	—	**279·8**	—	**279·3**	—	**280·6**	—	**279·5**	—	**279·6**	—	**280·0**	—	**280·9**	—	**280·0**	—	**280·7**	—	**280·2**	—	**282·9**	—	**279·9**	—
1911	278·7	− 0·1	278·3	− 0·1	279·8	+ 0·3	280·6	+ 0·8	279·9	+ 0·6	281·2	+ 0·6	279·9	+ 0·4	279·6	0·0	280·4	+ 0·4	281·3	+ 0·4	280·2	+ 0·2	280·8	+ 0·1	280·4	+ 0·2	283·1	+ 0·2	280·2	+ 0·3
1912 .. .	278·8	0·0	278·6	+ 0·2	279·8	+ 0·3	280·4	+ 0·6	279·9	+ 0·6	280·8	+ 0·2	279·9	+ 0·4	279·8	+ 0·2	280·6	+ 0·6	281·2	+ 0·3	280·6	+ 0·6	281·4	+ 0·7	280·7	+ 0·5	283·1	+ 0·2	280·3	+ 0·4
1913	280·1	+ 1·3	279·7	+ 1·3	280·7	+ 1·2	281·4	+ 1·6	280·8	+ 1·5	282·1	+ 1·5	280·9	+ 1·4	280·8	+ 1·2	281·5	+ 1·5	282·1	+ 1·2	281·3	+ 1·3	281·6	+ 0·9	281·4	+ 1·2	283·8	+ 0·9	281·2	+ 1·3
1914	279·0	+ 0·2	278·6	+ 0·2	280·2	+ 0·7	280·7	+ 0·9	280·0	+ 0·7	281·2	+ 0·6	280·1	+ 0·6	279·8	+ 0·2	280·3	+ 0·3	281·1	+ 0·2	280·1	+ 0·1	280·7	0·0	280·4	+ 0·2	283·0	+ 0·1	280·3	+ 0·4
1915	277·7	− 1·1	277·1	− 1·3	278·6	− 0·9	279·6	− 0·2	278·6	− 0·7	280·1	− 0·5	278·8	− 0·7	278·3	− 1·3	278·8	− 1·2	280·1	− 0·8	279·4	− 0·6	280·1	− 0·6	279·3	− 0·9	282·3	− 0·6	279·1	− 0·8
1916	279·2	+ 0·4	278·4	0·0	279·5	0·0	279·6	− 0·2	279·1	− 0·2	280·5	− 0·1	279·5	0·0	279·7	+ 0·1	280·0	0·0	280·7	− 0·2	280·1	+ 0·1	280·7	0·0	280·2	0·0	282·6	− 0·3	279·9	0·0
1917	278·1	− 0·7	277·8	− 0·6	279·0	− 0·5	278·9	− 0·9	278·8	− 0·5	279·6	− 1·0	278·8	− 0·7	279·0	− 0·6	279·6	− 0·4	280·0	− 0·9	279·7	− 0·3	280·3	− 0·4	279·7	− 0·5	281·9	1·0	279·3	− 0·6

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the "Guide to the Tables contained in the Weekly issues."

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of Normal for 35 Years, 1881-1915.

Years.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts, 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.			11. English Channel.			Districts 1-10 combined.		
	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th. hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.	Th.-hrs.	Daily Mean.	P.c. of normal.
Lustra.* 1881-1885 ..	·14	1·5	% 100	·18	2·0	106	·18	1·9	% 93	·19	2·1	% 90	·18	1·9	% 98	·14	2·1	% 87	·18	2·0	% 96	·16	1·8	% 100	·15	1·6	% 87	·19	2·1	% 91	·18	2·0	% 98	·21	2·3	% 99	·18	1·9	% 90	·23	2·5	% 85	·18	2·0	% 93
1886-1890 ..	·12	1·3	84	·15	1·6	87	·19	2·1	100	·21	2·3	102	·18	2·0	101	·20	2·2	92	·19	2·1	98	·15	1·7	96	·15	1·7	89	·20	2·2	97	·17	1·8	87	·20	2·2	95	·17	1·9	90	·27	2·9	103	·18	2·9	95
1891-1895 ..	13	1·4	90	·18	2·0	108	·20	2·1	103	·20	2·2	97	·19	2·1	106	·22	2·4	100	·20	2·2	106	·18	1·9	110	·16	1·8	97	·22	2·4	104	·21	2·2	108	·23	2·6	111	·20	2·2	104	·27	2·9	103	·20	2·2	105
1896-1900 ..	·14	1·1	99	·16	1·8	95	·18	2·0	97	·23	2·5	110	·19	2·0	103	·24	2·6	108	·20	2·2	103	·16	1·8	100	·18	2·0	108	·22	2·4	104	·19	2·0	98	·23	2·5	110	·20	2·1	100	·26	2·8	99	·20	2·2	105
1901-1905 ..	·1	1·5	9	·1	1·9	102	·19	2·1	103	·21	2·3	100	·17	1·8	93	·20	2·2	92	·19	2·1	101	18	1·8	101	·18	2·0	108	·20	2·2	97	·18	2·0	94	·20	2·2	95	·18	2·0	95	·24	2·6	93	·19	2·1	99
1906-1910 ..	·14	1·6	103	·19	2·0	111	·20	2·1	103	·21	2·3	100	·18	2·0	101	·23	2·5	104	·20	2·2	103	·16	1·7	99	·20	2·2	116	·22	2·4	107	·19	2·1	102	·20	2·2	97	·19	2·1	100	·26	2·9	102	·20	2·2	105
1911-1915 ..	·14	1·5	100	·18	1·9	100	·19	2·0	95	·21	2·2	96	·17	1·9	95	·22	2·4	100	·19	2·1	100	·16	1·7	99	·19	2·0	108	·22	2·4	104	·18	1·9	95	·22	2·3	100	·19	2·1	100	·25	2·7	96	·19	2·1	100
35 years normal ..	**·14**	**1·5**	—	**·17**	**1·9**	—	**·19**	**2·1**	—	**21**	**2·3**	—	**·18**	**2·0**	—	**·21**	**2·4**	—	**·19**	**2·1**	—	**16**	**1·8**	—	**·17**	**1·9**	—	**·21**	**2·3**	—	**·19**	**2·0**	—	**·21**	**2·3**	—	**19**	**2·1**	—	**·25**	**2·8**	—	**·19**	**2·1**	—
1911	·14	1·5	101	·17	1·8	99	·19	2·0	98	·20	2·2	95	·19	2·1	104	·21	2·3	96	·19	2·1	101	·17	1·8	106	·20	2·1	115	·23	2·5	111	·19	2·0	98	·21	2·3	99	·20	2·2	104	·23	2·5	88	·20	2·1	103
1912	·11	1·2	79	·17	1·8	99	·18	1·9	93	·20	2·2	97	·18	2·0	101	·24	2·6	108	·19	2·1	102	·14	1·5	89	·18	2·0	106	·22	2·4	104	·17	1·8	87	·22	2·4	106	·19	2·0	95	·27	2·9	103	·19	2·1	100
1913	·15	1·5	110	·21	2·1	121	·23	2·3	119	·27	2·7	127	·20	2·0	111	·2	2·6	108	·23	2·4	120	·18	1·8	110	·20	2·0	113	·23	2·3	110	·19	2·0	105	·21	2·1	97	·20	2·1	100	·27	2·8	107	·22	2·2	114
1914	·12	1·3	87	·16	1·9	100	·17	1·9	90	·18	2·0	87	·16	1·8	90	·21	2·3	96	·18	2·0	93	·14	1·6	89	17	1·9	100	·21	2·4	104	·17	1·9	95	·22	2·5	109	·18	2·1	100	·24	2·7	96	·18	2·0	96
1915 .. .	·16	1·8	121	·17	1·9	102	·17	1·9	89	·18	2·0	86	·14	1·6	81	·19	2·1	87	·17	1·9	89	·16	1·8	103	·20	2·2	116	·22	2·4	104	·18	2·0	100	·22	2·4	104	·20	2·2	101	·23	2·5	89	·18	2·0	97
1916	·10	1·1	73	·15	1·7	88	·16	1·8	86	·18	2·0	85	·16	1·8	89	·18	2·0	84	·16	1·8	86	·13	1·4	81	·15	1·7	88	·18	2·0	85	·14	1·5	73	·15	1·7	72	·15	1·7	80	·23	2·6	93	·15	1·7	83
1917	·10	1·1	76	·20	2·2	115	·23	2·6	125	·27	3·0	129	·21	2·3	117	·25	2·8	121	·23	2·6	121	·16	1·8	99	·16	1·8	92	·21	2·3	99	·15	1·7	84	·18	2·0	85	·17	1·9	92	·21	2·3	81	·20	2·2	106

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Meteorological Office, South Kensington, London, S.W. 7.
14th March, 1918.

NAPIER SHAW,
Director.

(17178—19.) Wt. 153—442. 450. 518. D & S. G. 17/37.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1917. VALUES FOR THE WHOLE YEAR.

Fortieth Year. VOL. XXXIV. [*New Series.*] } APPENDIX I. YEAR.

A COLD YEAR ON THE AVERAGE.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-SEVEN YEARS, 1881–1917.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881–1915.

YEARS.		0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1-5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6-10.			11. ENGLISH CHANNEL.			DISTRICTS 1-10 COMBINED.		
		Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
			mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.*	1881 1885 ..	241	*1350*	*95*	198	*846*	*107*	188	648	103	187	*660*	*109*	186	737	109	177	696	99	187	716	105	216	*1285*	*106*	198	930	104	211	1034	104	236	980	101	217	1059	104	216	1057	104	222	859	102	202	886	104
	1886-1890 ..	251	*1278*	*97*	203	737	93	187	632	100	184	*574*	*95*	178	650	96	177	681	97	185	655	96	207	1163	96	197	846	94	200	950	95	223	963	99	204	983	97	206	980	96	217	813	97	196	818	96
	1891-1895 ..	244	1339	101	196	772	98	190	630	100	184	*610*	*101*	178	640	94	174	701	99	184	671	98	206	1156	95	196	892	91	191	975	98	225	919	95	200	993	98	204	988	97	200	838	100	194	831	98
	1896-1900 ..	248	1417	107	209	810	103	183	635	101	173	*559*	*92*	172	653	96	161	643	91	180	660	97	225	*1245*	*103*	198	917	102	194	996	100	235	1006	104	206	1092	107	212	1049	103	204	800	95	196	856	101
	1901-1905 ..	255	*1356*	*103*	213	759	96	177	597	95	170	*569*	*94*	175	660	97	174	699	99	182	658	97	218	*1278*	*105*	202	838	94	194	950	95	247	996	102	215	991	97	215	1008	99	219	836	102	199	833	98
	1906-1910 ..	257	1285	97	210	820	104	192	620	98	186	617	102	189	699	103	182	726	103	192	696	102	217	1229	102	213	953	106	208	1006	101	244	988	102	240	963	94	224	1029	101	201	800	95	208	864	102
	1911 1915 ..	237	1285	97	201	791	100	187	650	103	184	651	107	174	717	106	171	794	113	183	721	106	208	1107	92	193	904	101	198	1083	108	222	942	97	229	1081	106	210	1023	100	200	936	111	197	872	102
35 years normal		**248**	**1316**	—	**204**	**791**	—	**186**	**630**	—	**181**	**606**	—	**179**	**679**	—	**174**	**706**	—	**185**	**682**	—	**214**	**1209**	—	**200**	**897**	—	**199**	**999**	—	**233**	**971**	—	**216**	**1023**	—	**212**	**1019**	—	**209**	**840**	—	**199**	**851**	—
1911		227	1303	99	200	747	95	180	599	95	175	587	97	162	559	82	159	714	101	175	640	94	201	1125	93	182	871	97	179	935	94	195	851	88	212	1003	98	194	958	94	186	859	102	185	800	94
1912		250	1402	106	216	853	108	207	790	125	199	754	124	189	879	120	194	831	118	200	823	121	223	1201	98	214	1006	112	218	1224	123	240	1008	104	249	1077	106	229	1102	108	226	1052	125	214	963	114
1913		236	1311	100	195	681	86	180	559	89	176	536	89	178	671	99	169	688	98	180	627	92	217	1095	89	203	876	98	204	1008	101	235	1001	103	237	1125	110	219	1021	100	203	818	97	200	823	97
1914		240	1334	101	197	815	103	183	625	99	183	643	106	177	721	106	174	833	118	183	729	107	208	1110	90	192	919	103	200	1148	115	221	960	99	228	1125	110	210	1052	103	199	1003	119	197	892	105
1915		231	1074	81	199	860	109	186	679	108	185	736	121	164	753	111	159	904	128	178	786	115	191	1002	82	174	846	94	189	1102	111	221	892	92	221	1074	105	199	983	96	188	949	113	189	885	106
1916		255	1440	109	226	1065	135	199	718	114	194	713	118	194	752	111	187	860	122	200	822	121	236	1208	100	210	940	105	204	1090	109	248	1038	107	251	1148	113	230	1085	106	212	940	112	215	954	112
1917		257	1405	107	198	766	97	179	603	96	174	628	104	173	673	99	168	737	104	179	682	100	216	1165	97	187	849	95	183	900	90	240	994	102	225	905	89	210	963	95	194	779	93	195	823	97

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the lists of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—The values for years prior to 1914 are for the periods of 52 weeks coinciding most nearly with the Calendar Year. From 1914 the values refer to the year January 1st to December 31st.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from the Normal for the 35 Years, 1881–1915.

Years.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts, 1–5.		Western Districts. 6. Scotland, W.		7. England, N.W and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6–10.		11. English Channel.		Districts 1–10 Combined.	
		Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.	Mean a.	Devn. a.
Lustra.*	1881–1885 ..	*280·4*	*– 0·1*	*280·6*	*– 0·1*	281·5	– 0·1	282·1	– 0·1	281·9	0·0	282·8	0·0	281·8	0·0	*281·4*	*– 0·2*	281·9	– 0·2	282·7	0·0	281·8	– 0·1	282·6	– 0·2	282·1	– 0·1	283·8	– 0·3	281·9	– 0·1
	1886–1890 ..	*280·3*	*– 0·2*	280·6	– 0·1	281·1	– 0·5	281·4	– 0·8	281·4	– 0·5	282·2	– 0·6	281·3	– 0·5	281·3	– 0·3	281·6	– 0·5	282·3	– 0·4	281·7	– 0·2	282·5	– 0·3	281·9	– 0·3	283·6	– 0·5	281·6	– 0·4
	1891–1895 ..	280·4	– 0·1	280·4	– 0·3	281·3	– 0·3	281·8	– 0·4	281·7	– 0·2	282·7	– 0·1	281·6	– 0·2	281·4	– 0·2	282·0	– 0·1	282·6	– 0·1	281·8	– 0·1	282·6	– 0·2	282·1	– 0·1	284·1	0·0	281·9	– 0·1
	1896–1900 ..	280·8	+ 0·3	281·0	+ 0·3	281·9	+ 0·3	282·5	+ 0·3	282·3	+ 0·4	283·4	+ 0·6	282·2	+ 0·4	281·9	+ 0·3	282·6	+ 0·5	283·3	+ 0·6	282·3	+ 0·4	283·2	+ 0·4	282·7	+ 0·5	284·8	+ 0·7	282·4	+ 0·4
	1901–1905 ..	*280·6*	*+ 0·1*	280·6	– 0·1	281·7	+ 0·1	282·3	+ 0·1	281·8	– 0·1	282·7	– 0·1	281·8	0·0	281·5	– 0·1	282·0	– 0·1	282·7	0·0	281·9	0·0	282·8	0·0	282·2	0·0	284·1	0·0	282·0	0·0
	1906–1910 ..	280·5	0·0	280·6	– 0·1	281·7	+ 0·1	282·3	+ 0·1	281·9	0·0	282·6	– 0·2	281·8	0·0	281·6	0·0	281·9	– 0·2	282·5	– 0·2	281·9	0·0	282·9	+ 0·1	282·1	– 0·1	284·1	0·0	282·0	0·0
	1911–1915 ..	280·8	+ 0·3	280·8	+ 0·1	282·0	+ 0·4	282·8	+ 0·6	282·4	+ 0·5	283·2	+ 0·4	282·2	+ 0·4	281·8	+ 0·2	282·4	+ 0·3	283·0	+ 0·3	282·1	+ 0·2	282·9	+ 0·1	282·4	+ 0·2	284·4	+ 0·3	282·3	+ 0·3
35 years normal	..	**280·5**	—	**28 ·7**	—	**281·6**	—	**282·2**	—	**281·9**	—	**282·8**	—	**281·8**	—	**281·6**	—	**282·1**	—	**282·7**	—	**281·9**	—	**282·8**	—	**282·2**	—	**284·1**	—	**282·0**	—
1911	..	281·1	+ 0·6	281·2	+ 0·5	282·4	+ 0·8	283·2	+ 1·0	282·8	+ 0·9	283·6	+ 0·8	282·4	+ 0·6	282·1	+ 0·5	282·9	+ 0·8	283·4	+ 0·7	282·4	+ 0·5	283·2	+ 0·4	282·8	+ 0·6	284·7	+ 0·6	282·6	+ 0·6
1912	..	280·6	+ 0·1	280·6	– 0·1	281·7	+ 0·1	282·7	+ 0·5	282·1	+ 0·2	283·0	+ 0·2	282·0	+ 0·2	281·6	0·0	282·1	0·0	282·8	+ 0·1	281·9	0·0	282·8	0·0	282·2	0·0	284·3	+ 0·2	282·1	+ 0·1
1913	..	281·1	+ 0·6	281·0	+ 0·3	282·1	+ 0·5	282·9	+ 0·7	282·4	+ 0·5	283·4	+ 0·6	282·3	+ 0·5	281·9	+ 0·3	282·6	+ 0·5	283·2	+ 0·5	282·1	+ 0·2	282·8	0·0	282·5	+ 0·3	284·4	+ 0·3	282·4	+ 0·4
1914	..	281·1	+ 0·6	281·1	+ 0·4	282·6	+ 1·0	283·1	+ 0·9	282·7	+ 0·8	283·4	+ 0·6	282·6	+ 0·8	282·1	+ 0·5	282·7	+ 0·6	283·2	+ 0·5	282·3	+ 0·4	283·1	+ 0·3	282·7	+ 0·5	284·5	+ 0·4	282·6	+ 0·6
1915	..	280·3	– 0·2	280·1	– 0·6	281·4	– 0·2	282·2	0·0	281·8	– 0·1	282·6	– 0·2	281·6	– 0·2	281·1	– 0·5	281·7	– 0·4	282·4	– 0·3	281·6	– 0·3	282·5	– 0·3	281·9	– 0·3	283·9	– 0·2	281·8	– 0·2
1916	..	280·7	+ 0·2	280·4	– 0·3	281·8	+ 0·2	282·3	+ 0·1	281·9	0·0	282·8	0·0	281·8	0·0	281·7	+ 0·1	282·2	+ 0·1	282·8	+ 0·1	281·9	0·0	282·8	0·0	282·3	+ 0·1	284·1	0·0	282·1	+ 0·1
1917	..	280·3	– 0·2	280·1	– 0·6	281·2	– 0·4	281·7	– 0·5	281·5	– 0·4	282·1	– 0·7	281·3	– 0·5	281·2	– 0·4	281·6	– 0·5	281·9	– 0·8	281·5	– 0·4	282·3	– 0·5	281·7	– 0·5	283·4	– 0·7	281·5	– 0·5

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the Guide to the Tables of the Weekly Weather Report.

TABLE III.—Bright Sunshine, in Thousand-Hours, and Daily Means, with Percentages of the Normal for the 35 Years, 1881–1915.

Years.		0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts, 1–5.			Western Districts. 6. Scotland, W.			7. England, N.W and North Wales.			8. South Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6–10.			11. English Channel.			Districts 1–10 Combined.		
		Th.-hrs.	Daily Mean	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of n rl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.	Th.-hrs.	Daily Mean.	Per cent. of norl.
Lustra.*	1881–1885 ..	*1·08*	3·0	*97*	*1·33*	3·6	*100*	*1·41*	3·8	*97*	1·54	4·2	*97*	1·39	3·8	99	*1·54*	4·2	*95*	1·44	3·9	97	1·33	3·6	98	1·32	3·6	92	*1·51*	4·1	*96*	1·26	3·5	98	1·45	4·0	101	1·37	3·8	98	1·89	5·2	102	1·41	3·8	97
	1886–1890 ..	*0·99*	2·7	*89*	*1·28*	3·5	*97*	*1·35*	3·7	*95*	1·48	4·1	94	1·32	3·6	94	1·45	4·0	90	1·38	3·8	93	1·32	3·6	97	1·29	3·5	90	*1·48*	4·0	*94*	1·20	3·3	94	1·43	3·9	99	1·34	3·7	95	1·84	5·0	98	1·36	3·7	94
	1891–1895 ..	*1·15*	3·1	*103*	*1·40*	3·9	*106*	*1·52*	4·2	*108*	1·59	4·4	101	1·49	4·1	106	1·70	4·6	105	1·54	4·2	104	1·42	3·9	104	*1·38*	3·8	*97*	*1·64*	4·5	*104*	1·33	3·6	104	1·47	4·0	102	1·45	4·0	103	2·02	5·5	108	1·50	4·1	103
	1896–1900 ..	*1·17*	3·2	*106*	*1·35*	3·7	*102*	*1·44*	3·9	*100*	1·64	4·5	104	1·46	4·0	104	1·71	4·7	106	1·52	4·2	103	1·34	3·7	99	1·48	4·0	103	*1·65*	4·5	*105*	1·31	3·6	102	1·49	4·1	103	1·45	4·0	103	1·94	5·3	104	1·49	4·0	103
	1901–1905 ..	1·15	3·1	103	1·28	3·5	96	*1·49*	4·1	*105*	1·63	4·4	104	1·37	3·7	97	*1·60*	4·4	*99*	1·47	4·0	100	1·38	3·8	101	1·49	4·0	103	*1·52*	4·2	*97*	1·29	3·5	101	1·40	3·8	97	1·42	3·9	101	1·80	4·9	96	1·45	4·0	100
	1906–1910 ..	1·14	3·1	103	1·34	3·7	101	1·45	4·0	103	1·61	4·4	102	1·43	3·9	101	1·70	4·7	105	1·51	4·1	102	1·36	3·7	100	1·47	4·0	103	1·62	4·4	103	1·29	3·5	101	1·42	3·9	99	1·43	3·9	101	1·87	5·1	100	1·47	3·9	101
	1911–1915 ..	1·11	3·0	100	1·29	3·5	97	1·40	3·8	97	1·57	4·3	100	1·36	3·7	97	1·65	4·6	104	1·45	4·0	100	1·34	3·7	100	1·45	4·0	103	1·54	4·2	98	1·28	3·5	100	1·42	3·9	98	1·41	3·9	100	1·76	4·9	96	1·43	3·9	98
35 years normal	..	**1·11**	**3 0**	—	**1·32**	**3·6**	—	**1·44**	**3·9**	—	**1·58**	**4·3**	—	**1·40**	**3·8**	—	**1·62**	**4·4**	—	**1·47**	**4·0**	—	**1·36**	**3·7**	—	**1·41**	**3·9**	—	**1·57**	**4·3**	—	**1·28**	**3·5**	—	**1·44**	**4·0**	—	**1·41**	**3·9**	—	**1·87**	**5·1**	—	**1·44**	**4·0**	—
1911	..	1·26	3·4	113	1·48	4·0	111	1·60	4·4	113	1·80	4·9	114	1·59	4·3	113	1·93	5·3	119	1·68	4·6	114	1·54	4·2	113	1·68	4·6	118	1·84	5·0	117	1·52	4·2	119	1·63	4·4	113	1·64	4·5	116	2·03	5·5	108	1·66	4·5	115
1912	..	1·01	2·8	91	1·02	2·9	77	1·12	3·1	80	1·38	3·8	87	1·13	3·2	80	1·44	4·2	89	1·22	3·4	82	1·15	3·2	85	1·21	3·3	85	1·26	3·5	80	1·11	3·1	87	1·26	3·5	88	1·20	3·3	85	1·61	4·5	88	1·21	3·3	83
1913	..	1·02	2·8	91	1·22	3·3	91	1·29	3·5	90	1·43	3·9	91	1·19	3·2	85	1·47	4·0	91	1·32	3·6	91	1·22	3·3	89	1·32	3·7	95	1·42	3·9	90	1·20	3·3	94	1·31	3·6	91	1·29	3·5	92	1·63	4·5	88	1·31	3·6	92
1914	..	1·08	3·0	100	1·38	3·8	106	1·52	4·2	108	1·68	4·6	107	1·46	4·1	108	1·80	4·9	111	1·57	4·3	107	1·31	3·7	100	1·49	4·1	105	1·62	4·5	105	1·27	3·5	100	1·45	4·0	100	1·43	4·0	103	1·78	4·9	96	1·50	4·2	105
1915	..	1·16	3·2	105	1·34	3·7	101	1·48	4·0	103	1·58	4·3	98	1·42	3·9	100	1·59	4·4	98	1·48	4·0	100	1·47	4·0	109	1·57	4·3	110	1·56	4·3	100	1·31	3·6	103	1·46	4·0	102	1·48	4·1	105	1·77	4·9	96	1·48	4·0	102
1916	..	0·91	2·5	84	1·11	3·1	85	1·21	3·3	86	1·29	3·6	83	1·19	3·3	86	1·45	4·0	89	1·24	3·5	86	1·25	3·5	94	1·23	3·5	90	1·43	4·1	96	1·14	3·1	89	1·30	3·6	92	1·28	3·6	92	1·74	4·8	94	1·26	3·6	89
1917	..	1·11	3·1	101	1·32	3·6	100	1·38	3·9	98	1·58	4·4	102	1·31	3·7	95	1·60	4·4	100	1·45	4·0	99	1·29	3·6	96	1·35	3·8	98	1·53	4·2	99	1·20	3·3	95	1·33	3·7	93	1·34	3·7	96	1·77	4·9	96	1·40	3·9	98

Meteorological Office, South Kensington, London, S.W. 7.
2nd May, 1918.

NAPIER SHAW,
Director.

WEEKLY WEATHER REPORT, 1917. APPENDIX II.

[*Price* 1*s*.

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF **RAIN-DAYS** IN EACH DISTRICT DURING THE YEAR 1917.

1917.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.
	NUMBERS OF RAIN-DAYS—1917.																														
	1917.																														
1	Dec. 31-Jan. 6	7	7	5	5	2	2	4	4	4	4	2	2	3	3	7	7	6	6	4	4	6	6	5	5	6	6	5	5	4	4
2	Jan. 7-13 -	7	14	6	11	7	9	7	11	6	10	6	8	7	10	5	12	5	11	6	10	6	12	5	10	5	11	6	11	6	10
3	14-20 -	2	16	6	17	7	16	6	17	4	14	4	12	5	15	1	13	3	14	1	11	3	15	2	12	2	13	4	15	4	14
4	Jan. 21-27 -	1	17	1	18	3	19	1	18	2	16	1	13	2	17	1	14	0	14	1	12	1	16	3	15	1	14	3	18	2	16
5	Jan. 28-Feb. 3	4	21	4	22	4	23	3	21	2	18	1	14	3	19	1	15	2	16	1	13	2	18	2	17	2	16	1	19	2	18
6	Feb. 4-10 -	5	26	2	24	1	24	2	23	1	19	1	15	1	21	1	16	1	17	1	14	2	20	1	18	1	17	1	20	1	19
7	11-17 -	2	28	1	25	3	27	3	26	2	21	2	17	2	23	2	18	3	20	2	16	3	23	3	21	2	19	2	22	2	21
8	18-24 -	5	33	4	29	5	32	5	31	5	26	5	22	5	28	6	24	5	25	5	21	6	29	6	27	6	25	5	27	5	26
9	Feb. 25-Mar. 3	4	37	2	31	1	33	2	33	2	28	2	24	2	30	5	29	2	27	3	24	5	34	5	32	4	29	2	29	3	29
	Winter Totals	59		50		52		51		44		41		48		51		46		42		55		51		49		52		48	
10	Mar. 4-10 -	3	40	5	36	5	38	4	37	5	33	5	29	5	35	3	32	4	31	6	30	5	39	6	38	5	34	6	35	5	34
11	11-17 -	6	46	4	40	1	39	4	41	3	36	3	32	3	38	3	35	2	33	4	34	3	42	4	42	3	37	4	39	3	37
12	18-24 -	7	53	5	45	5	44	4	45	4	40	4	36	4	42	5	40	4	37	4	38	6	48	5	47	5	42	4	43	5	42
13	Mar. 25-31 -	6	59	5	50	6	50	6	51	5	45	6	42	5	47	5	45	6	43	5	43	6	54	5	52	5	47	6	49	5	47
14	April 1-7 -	5	64	4	54	5	55	5	56	3	48	5	47	5	52	4	49	4	47	5	48	6	60	5	57	5	52	5	54	5	52
15	8-14 -	7	71	5	59	7	62	6	62	6	54	6	53	6	58	6	55	6	53	6	54	6	66	6	63	6	58	6	60	6	58
16	15-21 -	6	77	4	63	4	66	4	66	3	57	3	56	3	61	4	59	4	57	3	57	4	70	3	66	4	62	3	63	3	61
17	April 22-28 -	5	82	2	65	1	67	0	66	0	57	0	56	1	62	2	61	0	57	0	57	0	70	0	66	0	62	0	63	1	62
18	April 29-May 5	3	85	1	66	1	68	0	66	0	57	0	56	0	62	1	62	1	58	0	57	1	71	0	66	1	63	1	64	1	63
19	May 6-12 -	5	90	5	71	3	71	1	67	3	60	1	57	3	65	4	66	4	62	3	60	4	75	4	70	4	67	2	66	3	66
20	13-19 -	2	92	3	74	5	76	3	70	4	64	4	61	4	69	5	71	4	66	3	63	4	79	3	73	4	71	3	69	4	70
21	20-26 -	3	95	2	76	2	78	3	73	3	67	3	64	3	72	4	75	3	69	4	67	4	83	6	79	4	75	4	73	3	73
22	May 27-June 2	4	99	4	80	2	80	1	74	3	70	2	66	2	74	4	79	4	73	4	71	5	88	4	83	4	79	3	76	3	76
	Spring Totals	62		49		47		41		42		42		44		50		46		47		54		51		50		47		47	
23	June 3-9 -	4	103	3	83	2	82	1	75	2	72	1	67	2	76	4	83	3	76	3	74	5	93	4	87	4	83	2	78	3	79
24	10-16 -	4	107	1	84	1	83	1	76	1	73	1	68	1	77	2	85	1	77	1	75	4	97	3	90	2	85	0	78	2	81
25	17-23 -	6	113	3	87	4	87	4	80	4	77	3	71	4	81	4	89	4	81	5	80	5	102	4	94	4	89	4	82	4	85
26	June 24-30 -	3	116	2	89	3	90	5	85	4	81	4	75	3	84	2	91	2	83	4	84	3	105	3	97	3	92	5	87	3	88
27	July 1-7 -	1	117	1	90	1	91	1	86	1	82	3	78	1	85	1	92	0	83	3	87	2	107	3	100	2	94	3	90	2	90
28	8-14 -	2	119	1	91	1	92	3	89	1	83	2	80	2	87	1	93	1	84	2	89	3	110	4	104	2	96	2	92	2	92
29	15-21 -	4	123	4	95	4	96	4	93	4	87	3	83	4	91	4	97	4	88	3	92	4	114	5	109	4	100	3	95	4	96
30	July 22-28 -	5	128	3	98	3	99	1	94	2	89	2	85	2	93	5	102	4	92	3	95	6	120	5	114	4	104	2	97	3	99
31	July 29-Aug. 4	2	130	3	101	5	104	7	101	5	94	7	92	5	98	1	103	3	95	3	98	1	121	1	115	2	106	4	101	3	102
32	Aug. 5-11 -	3	133	5	106	5	109	4	105	5	99	4	96	5	103	4	107	4	99	5	103	6	127	5	120	5	111	4	105	5	107
33	12-18 -	6	139	6	112	6	115	4	109	6	105	5	101	6	109	6	113	6	105	6	109	7	134	7	127	6	117	6	111	6	113
34	19-25 -	6	145	6	118	5	120	4	113	5	110	4	105	5	114	7	120	6	111	6	115	7	141	7	134	7	124	4	115	6	119
35	Aug. 26-Sept. 1	7	152	6	124	6	126	6	119	7	117	6	111	6	120	6	126	7	118	6	121	6	147	7	141	6	130	5	120	6	125
	Summer Totals	53		44		46		45		47		45		46		47		45		50		59		58		52		44		49	
36	Sept. 2-8 -	5	157	3	127	1	127	2	121	2	119	3	114	2	122	4	130	3	121	3	124	5	152	4	145	4	134	4	124	3	128
37	9-15 -	6	163	4	131	2	129	1	122	3	122	2	116	2	124	5	135	3	124	3	127	4	156	5	150	4	138	4	128	3	131
38	16-22 -	6	169	4	135	4	133	3	125	4	126	3	119	3	127	7	142	6	130	4	131	6	162	6	156	6	144	3	131	4	135
39	Sept. 23-29 -	6	175	4	139	1	134	1	126	2	128	1	120	2	129	6	148	3	133	2	133	5	167	3	159	4	148	3	134	3	138
40	Sept. 30-Oct. 6	6	181	4	143	3	137	4	130	4	132	4	124	4	133	5	153	5	138	5	138	8	173	5	164	5	153	5	139	5	143
41	Oct. 7-13 -	7	188	7	150	7	144	6	136	6	138	6	130	6	139	6	159	7	145	7	145	7	180	6	170	6	159	7	146	6	149
42	14-20 -	6	194	4	154	2	146	4	140	3	141	4	134	4	143	5	164	5	150	4	149	6	186	5	175	5	164	5	151	4	153
43	Oct. 21-27 -	7	201	7	161	5	151	3	143	5	146	4	138	5	148	7	171	7	157	6	155	7	193	6	181	7	171	7	158	6	159
44	Oct. 28-Nov. 3	5	206	4	165	4	155	5	148	5	151	5	143	4	152	5	176	6	163	6	161	6	199	7	188	6	177	7	165	5	164
45	Nov. 4-10 -	7	213	6	171	5	160	5	153	5	156	4	147	5	157	6	182	5	168	5	166	7	206	6	194	6	183	6	171	6	170
46	11-17 -	6	219	3	174	1	161	3	156	1	157	1	148	2	159	4	186	4	172	2	168	4	210	4	198	4	187	3	174	3	173
47	18-24 -	7	226	4	178	4	165	3	159	2	159	3	151	3	162	8	192	5	177	3	171	6	216	3	201	5	192	3	177	4	177
48	Nov. 25-Dec. 1	7	233	6	184	3	168	3	162	4	163	2	153	4	166	7	199	5	182	4	175	7	223	5	206	5	197	5	182	4	181
	Autumn Totals	81		60		42		43		46		42		46		73		61		54		76		65		67		62		56	
49	Dec. 2-8 -	6	239	4	188	1	169	2	164	3	166	3	156	3	169	6	205	5	187	3	178	6	229	5	211	5	202	3	185	4	185
50	9-15 -	6	245	3	191	3	172	4	168	2	168	3	159	3	171	5	210	4	191	2	180	4	233	4	215	4	206	4	189	3	188
51	16-22 -	6	251	4	195	3	175	2	170	2	170	2	161	3	174	5	215	2	193	2	182	5	238	4	219	4	210	2	191	4	192
52	Dec. 23-29 -	5	256	4	199	5	180	6	176	3	173	4	165	5	179	3	218	2	195	3	185	5	243	4	223	3	213	3	194	4	196

NOTE.—The "day" for rainfall is from 9 h. on the civil day named till 9 h. the following morning.
A "rain-day" is a day on which the precipitation during this period amounts to 0·2 mm. or more.

(17766—19.) Wt. 153—412. 450. 7/18. D & S. G. 17/ 38.

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1917.

1917.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
	RAINFALL IN MILLIMETRES—1917.																														
	1917.																														
1	Dec. 31-Jan. 6	65	65	21	21	4	4	7	7	9	9	7	7	10	10	34	34	24	24	10	10	20	20	8	8	19	19	11	11	15	15
2	Jan. 7-13 -	36	101	32	53	43	47	28	35	34	43	24	31	32	42	37	71	30	54	29	39	31	51	24	32	30	49	34	45	31	46
3	14-20 -	4	105	10	63	24	71	9	44	5	48	5	36	10	52	1	72	4	58	1	40	2	53	3	35	2	51	5	50	6	52
4	Jan. 21-27 -	1	106	2	65	2	73	1	45	1	49	0	36	1	53	0	72	0	58	1	41	2	55	18	53	4	55	9	59	2	54
5	Jan. 28-Feb. 3	11	117	7	72	6	79	4	49	2	51	1	37	4	57	2	74	8	66	2	43	6	61	2	55	4	59	1	60	4	58
6	Feb. 4-10 -	12	129	3	75	1	80	7	56	2	53	4	41	4	61	2	76	2	68	3	46	2	63	1	56	2	61	2	62	3	61
7	11-17 -	3	132	2	77	3	83	4	60	4	57	4	45	3	64	4	80	4	72	4	50	5	68	7	63	5	66	4	66	4	65
8	18-24 -	6	138	11	88	14	97	11	71	17	74	15	60	14	78	23	103	20	92	26	76	31	99	34	97	27	93	31	97	21	86
9	Feb. 25-Mar. 3	9	147	3	91	1	98	1	72	3	77	4	64	2	80	8	111	4	96	6	82	11	110	17	114	9	102	3	100	6	92
	Winter Totals	264		175		171		142		141		159		158		228		169		191		197		199		197		222		177	
10	Mar. 4-10 -	4	151	15	106	19	117	7	79	26	103	17	81	17	97	16	127	20	116	46	128	24	134	44	158	30	132	37	127	24	116
11	11-17 -	24	175	8	114	2	119	18	97	6	109	15	96	10	107	5	132	5	121	17	145	5	139	8	166	8	140	15	142	9	125
12	18-24 -	28	203	10	124	12	131	10	107	11	120	12	108	11	118	15	147	12	133	7	152	10	149	7	173	10	150	14	156	10	135
13	Mar. 25-31 -	35	238	13	137	13	144	17	124	11	131	13	121	13	131	22	169	25	158	15	167	18	167	12	185	19	169	25	181	16	151
14	April 1-7 -	9	247	23	160	18	162	18	142	12	143	25	146	19	150	11	180	13	171	19	186	18	185	16	201	16	185	17	198	18	169
15	8-14 -	28	275	19	179	18	180	16	158	21	164	20	166	19	169	20	200	25	196	20	206	24	209	17	218	21	206	22	220	20	189
16	15-21 -	15	290	11	190	10	190	14	172	8	172	9	175	10	179	17	217	14	210	8	214	13	222	4	222	11	217	3	223	10	199
17	April 22-28 -	22	312	6	196	1	191	0	172	0	172	0	175	2	181	3	220	0	210	0	214	0	222	0	222	1	218	0	223	1	200
18	April 29-May 5	8	320	1	197	1	192	0	172	0	172	0	175	0	181	1	221	1	211	0	214	1	223	0	222	0	218	0	223	0	200
19	May 6-12 -	14	334	26	223	9	201	1	173	17	189	2	177	11	192	25	246	19	230	17	231	16	239	16	238	19	237	13	236	15	215
20	13-19 -	5	339	11	234	26	227	18	191	22	211	16	193	19	211	28	274	15	245	5	236	20	259	10	248	15	252	9	245	17	232
21	20-26 -	6	345	3	237	3	230	8	199	14	225	21	214	10	221	23	297	11	256	29	265	34	293	43	291	28	280	21	266	19	251
22	May 27-June 2	16	361	11	248	4	234	2	201	20	245	13	227	10	231	27	324	24	280	26	291	18	311	18	309	23	303	13	279	17	268
	Spring Totals	214		157		136		129		168		163		151		213		184		209		201		195		201		179		176	
23	June 3-9 -	17	378	16	264	5	239	1	202	9	254	4	231	7	238	25	349	15	295	9	300	22	333	8	317	16	319	6	285	11	277
24	10-16 -	12	390	2	266	4	243	5	207	3	257	8	239	4	242	4	353	1	296	2	302	17	350	8	325	6	325	0	285	5	282
25	17-23 -	40	430	31	297	13	256	13	220	14	271	13	252	17	259	34	387	33	329	18	320	17	367	12	337	23	348	22	307	20	302
26	June 24-30 -	10	440	5	302	11	267	28	248	25	296	40	292	22	281	3	390	6	335	42	362	7	374	12	349	14	362	25	332	18	320
27	July 1-7 -	2	442	1	303	0	267	1	249	2	298	24	316	5	286	1	391	0	335	13	375	2	376	10	359	5	367	6	338	5	325
28	8-14 -	6	448	2	305	1	268	26	275	7	305	12	328	10	296	1	392	1	336	10	385	9	385	12	371	7	374	7	345	9	334
29	15-21 -	26	474	33	338	11	279	14	289	22	327	17	345	19	315	27	419	23	358	23	408	24	409	24	395	24	398	16	361	22	356
30	July 22-28 -	16	490	11	349	10	289	1	290	6	333	4	349	7	322	25	444	16	374	10	418	24	433	17	412	18	416	5	366	12	368
31	July 29-Aug. 4	2	492	6	355	31	320	84	374	30	363	89	438	48	370	5	449	5	379	19	437	2	435	2	414	7	423	22	388	27	395
32	Aug. 5-11 -	7	499	21	376	35	355	14	388	38	401	15	453	25	395	29	478	23	402	38	475	55	490	65	479	42	465	25	413	34	429
33	12-18 -	40	539	38	414	31	386	10	398	25	426	12	465	23	418	33	511	55	457	25	500	31	521	40	519	37	502	23	435	30	459
34	19-25 -	37	576	22	436	9	395	6	404	13	439	9	474	12	430	50	561	27	484	37	537	38	559	42	561	39	541	24	459	25	484
35	Aug. 26-Sept. 1	38	614	49	485	48	443	33	437	50	489	48	522	45	475	32	593	61	545	61	598	32	591	69	630	51	592	51	510	48	532
	Summer Totals	253		237		209		236		244		295		244		269		265		307		280		321		289		231		266	
36	Sept. 2-8 -	33	647	7	492	1	444	8	445	4	493	8	530	6	481	11	604	2	547	8	606	8	599	7	637	7	599	7	517	7	539
37	9-15 -	38	685	14	506	3	447	2	447	5	498	3	533	5	486	26	630	19	566	9	615	25	624	9	646	17	616	7	524	11	550
38	16-22 -	37	722	12	518	8	455	26	473	24	522	19	552	18	504	21	651	21	587	35	650	22	646	16	662	23	639	17	541	20	570
39	Sept. 23-29 -	59	781	9	527	4	459	1	474	4	526	2	554	4	508	20	671	12	599	8	658	9	655	8	670	11	650	4	545	8	578
40	Sept. 30-Oct. 6	47	828	14	541	10	469	21	495	29	555	20	574	19	527	43	714	37	636	33	691	30	685	27	697	34	684	15	560	26	604
41	7-13 -	40	868	31	572	34	503	34	529	33	588	37	611	34	561	49	763	53	689	55	746	45	730	37	734	48	731	54	614	41	645
42	14-20 -	43	911	14	586	3	506	18	547	8	596	22	633	13	574	42	805	13	702	20	766	30	760	22	756	26	758	26	640	20	665
43	Oct. 21-27 -	102	1013	34	620	12	518	8	555	16	612	12	645	16	590	58	863	38	740	26	792	43	803	18	774	37	795	28	668	26	691
44	Oct. 28-Nov. 3	22	1035	10	630	10	528	9	564	15	627	20	665	13	603	29	892	25	765	38	830	29	832	25	799	29	824	47	715	21	712
45	Nov. 4-10 -	53	1088	36	666	12	540	13	577	15	642	13	678	18	621	59	951	32	797	24	854	56	888	22	821	38	862	16	731	28	740
46	11-17 -	28	1116	3	669	0	540	1	578	1	643	0	678	1	622	11	962	4	801	6	860	17	905	11	832	10	872	3	734	6	746
47	18-24 -	78	1194	23	692	12	552	6	584	6	649	3	681	10	632	40	1002	16	817	5	865	14	919	5	837	16	888	3	737	13	759
48	Nov. 25-Dec. 1	108	1302	38	730	9	561	17	601	11	660	13	694	17	649	75	1077	27	844	7	872	39	949	8	845	29	917	6	743	23	782
	Autumn Totals	688		245		118		164		171		172		174		481		299		274		358		215		326		233		250	
49	Dec. 2-8 -	39	1341	8	738	2	563	3	604	4	664	8	702	5	654	27	1104	13	857	10	882	18	967	20	865	18	935	12	755	12	794
50	9-15 -	26	1367	7	745	7	570	7	611	4	668	11	713	7	661	26	1130	15	872	8	890	13	980	8	873	14	949	4	759	11	805
51	16-22 -	28	1395	22	767	19	589	6	617	9	677	16	729	15	676	27	1157	12	884	9	899	20	1000	28	901	19	968	25	784	17	822
52	Dec. 23-29 -	10	1405	6	773	10	599	10	627	6	683	7	736	8	684	5	1162	2	886	4	903	6	1006	5	906	4	972	5	789	6	828

NOTE.—The Rainfall week is from 9 h on one Sunday morning to the same hour on the next.

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1917.

1917.		0. Scotland, N.		Eastern Districts.										Western Districts.												Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.			
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.
		DAY-DEGREES ABOVE 42° FAHRENHEIT—1917.																											
	1917.																												
1	Dec. 31-Jan. 6	6	6	9	9	25	25	26	26	25	25	29	29	23	23	22	22	27	27	30	30	27	27	39	39	29	29	47	47	26	26
2	Jan. 7-13 -	0	6	0	9	0	25	0	26	0	25	0	29	0	23	0	22	0	27	2	32	3	30	6	45	2	31	15	62	1	27
3	14-20 -	0	6	0	9	0	25	0	26	0	25	0	29	0	23	0	22	0	27	0	32	0	30	0	45	0	31	0	62	0	27
4	Jan. 21-27 -	0	6	0	9	0	25	0	26	0	25	0	29	0	23	0	22	0	27	0	32	0	30	0	45	0	31	0	62	0	27
5	Jan. 28-Feb. 3	0	6	0	9	0	25	0	26	0	25	0	29	0	23	0	22	0	27	0	32	0	30	0	45	0	31	0	62	0	27
6	Feb. 4-10 -	0	6	0	9	0	25	0	26	0	25	0	29	0	23	0	22	0	27	0	32	0	30	0	45	0	31	0	62	0	27
7	11-17 -	0	6	0	9	0	25	0	26	0	25	0	29	0	23	0	22	0	27	0	32	0	30	0	45	0	31	0	62	0	27
8	18-24 -	6	12	0	9	0	25	0	26	1	26	5	34	1	24	2	24	4	31	18	50	20	50	28	73	14	45	20	84	8	35
9	Feb. 25-Mar. 3	19	31	12	21	9	34	7	33	10	36	8	42	9	33	8	32	9	40	10	60	20	70	24	97	14	59	21	105	11	46
	Winter Totals	41		26		40		42		45		54		41		54		52		80		100		133		84		185		62	
10	Mar. 4-10 -	0	31	0	21	0	34	0	33	0	36	0	42	0	33	0	32	0	40	1	61	0	70	4	101	1	60	13	118	1	47
11	11-17 -	9	40	10	31	14	48	14	47	17	53	16	58	14	47	14	46	14	54	27	88	20	90	32	133	22	82	26	144	18	45
12	18-24 -	6	46	5	36	7	55	6	53	9	62	8	66	7	54	11	57	8	62	10	98	24	114	29	162	17	99	11	155	12	77
13	Mar. 25-31 -	0	46	6	42	11	66	9	62	11	73	9	75	9	63	10	67	9	71	10	108	11	125	18	180	12	111	13	168	10	87
14	April 1-7 -	0	46	0	42	0	66	3	65	4	77	6	81	3	66	0	67	0	71	5	113	0	125	7	187	2	113	12	180	3	90
15	8-14 -	0	46	0	42	6	72	10	75	9	86	11	92	7	73	0	67	2	73	8	121	1	126	10	197	4	117	16	196	5	95
16	15-21 -	13	59	15	57	19	91	19	94	33	119	36	128	24	97	30	97	25	98	35	156	29	155	40	237	32	149	33	229	28	123
17	April 22-28 -	31	90	42	99	40	131	40	134	49	168	44	172	43	140	44	141	40	138	48	204	39	194	57	294	46	195	41	370	45	168
18	April 29-May 5	39	129	57	156	62	193	69	203	79	247	76	248	69	209	61	202	65	203	78	282	61	255	75	369	68	263	82	352	68	236
19	May 6-12 -	14	143	14	170	34	227	60	263	67	314	70	318	49	258	39	241	58	261	64	346	47	302	64	433	54	317	81	433	52	288
20	13-19 -	39	182	40	210	54	281	88	351	78	392	86	404	69	327	48	289	69	330	69	415	55	357	74	507	63	380	81	514	66	354
21	20-26 -	74	256	78	288	102	383	116	467	119	511	113	517	106	433	90	379	110	440	101	516	90	447	93	605	98	478	108	622	102	456
22	May 27-June 2	79	335	87	375	104	487	125	592	111	622	114	631	108	541	95	474	95	535	92	608	79	526	95	700	91	569	91	713	99	555
	Spring Totals	304		354		453		559		586		589		508		442		495		548		456		603		509		608		509	
23	June 3-9 -	76	411	76	451	102	589	125	717	112	734	125	756	108	649	83	557	99	634	106	714	82	608	99	799	94	663	125	838	101	656
24	10-16 -	99	510	104	555	123	712	148	865	144	878	147	903	133	782	116	673	133	767	131	845	105	713	114	913	120	783	139	977	127	783
25	17-23 -	69	579	81	636	117	829	144	1009	123	1001	135	1038	120	902	83	756	97	864	113	958	77	790	95	1008	93	876	130	1107	106	889
26	June 24-30 -	51	630	58	694	81	910	109	1118	89	1090	112	1150	90	992	69	825	82	946	92	1050	71	861	88	1096	80	956	111	1218	85	974
27	July 1-7 -	86	716	83	777	84	994	106	1224	102	1192	116	1266	98	1090	109	934	110	1056	107	1157	111	972	117	1213	111	1067	116	1334	105	1079
28	8-14 -	90	806	94	871	111	1105	124	1348	122	1314	127	1393	116	1206	104	1038	120	1176	120	1277	112	1084	127	1340	117	1183	133	1467	116	1195
29	15-21 -	99	905	104	975	129	1234	143	1491	137	1451	141	1534	131	1337	115	1153	127	1303	128	1405	113	1197	127	1467	122	1305	141	1608	123	1321
30	July 22-28 -	120	1025	138	1113	160	1394	169	1660	162	1613	154	1688	157	1494	134	1287	150	1453	144	1549	135	1332	148	1615	142	1447	157	1765	150	1471
31	July 29-Aug. 4	104	1129	102	1215	107	1501	118	1778	111	1724	116	1804	111	1605	119	1406	118	1571	118	1667	111	1443	128	1743	119	1566	124	1889	115	1586
32	Aug. 5-11 -	129	1258	123	1338	135	1636	141	1919	139	1863	139	1943	135	1740	133	1539	132	1703	132	1799	125	1568	125	1868	129	1695	137	2026	132	1718
33	12-18 -	109	1367	109	1447	131	1767	141	2060	133	1996	139	2082	131	1871	119	1658	125	1828	127	1926	115	1683	125	1993	122	1817	137	2163	126	1844
34	19-25 -	98	1465	102	1549	124	1891	134	2194	123	2119	133	2215	123	1994	108	1766	119	1947	118	2044	109	1792	113	2106	113	1930	133	2296	118	1962
35	Aug. 26-Sept. 1	83	1548	86	1635	108	1999	112	2306	102	2221	113	2328	104	2098	95	1861	96	2043	100	2144	88	1878	92	2198	94	2024	113	2409	99	2061
	Summer Totals	1213		1260		1512		1714		1599		1697		1557		1387		1508		1536		1352		1498		1456		1696		1506	
36	Sept 2-8 -	90	1638	90	1725	117	2116	125	2431	118	2339	125	2453	115	2213	106	1967	113	2156	114	2258	107	1985	113	2311	111	2135	125	2534	113	2174
37	9-15 -	71	1709	76	1801	94	2210	105	2536	101	2440	119	2572	99	2312	90	2057	101	2257	111	2369	86	2071	97	2408	97	2232	127	2661	98	2272
38	16-22 -	67	1776	70	1871	104	2314	112	2648	104	2544	117	2689	101	2413	87	2144	102	2359	104	2473	83	2154	97	2505	95	2327	126	2787	98	2370
39	Sept. 23-29 -	62	1838	74	1945	101	2415	106	2754	99	2643	106	2795	97	2510	83	2227	102	2461	100	2573	93	2247	106	2611	97	2424	112	2899	97	2467
40	Sept. 30-Oct. 6	41	1879	41	1986	69	2484	77	2831	65	2708	82	2877	67	2577	57	2284	69	2530	80	2653	65	2312	79	2690	70	2494	104	3003	69	2536
41	Oct. 7-13 -	11	1890	12	1998	31	2515	37	2868	37	2745	46	2923	33	2610	26	2310	32	2562	40	2693	30	2342	37	2727	33	2527	69	3072	33	2569
42	14-20 -	26	1916	32	2030	38	2553	39	2907	40	2785	45	2968	39	2649	34	2344	34	2596	41	2734	30	2372	35	2762	35	2562	59	3131	37	2606
43	Oct. 21-27 -	12	1928	11	2041	29	2582	35	2942	34	2819	40	3008	30	2679	25	2369	30	2626	36	2770	25	2397	32	2794	29	2591	60	3191	29	2635
44	Oct. 28-Nov 3	9	1937	10	2051	23	2605	32	2974	29	2848	28	3046	26	2705	15	2384	25	2651	36	2806	27	2424	35	2829	28	2619	57	3248	27	2662
45	Nov. 4-10 -	12	1949	11	2062	26	2631	30	3004	30	2878	34	3080	26	2731	23	2407	29	2680	36	2841	27	2451	34	2863	30	2649	57	3205	28	2690
46	11-17 -	27	1976	30	2092	31	2662	28	3032	29	2907	29	3109	29	2760	30	2437	23	2708	32	2874	33	2484	37	2900	32	2681	50	3355	31	2721
47	18-24 -	30	2006	41	2133	54	2716	50	3082	53	2960	59	3168	51	2811	50	2487	56	2764	59	2933	54	2538	69	2969	58	2739	61	3416	54	2775
48	Nov. 25-Dec. 1	24	2030	30	2163	37	2753	36	3118	37	2997	37	3205	36	2847	32	2519	39	2803	40	2973	38	2576	44	3013	38	2777	55	3470	37	2812
	Autumn Totals	482		528		754		812		776		877		749		658		760		829		698		815		752		1061		751	
49	Dec. 2-8 -	4	2034	1	2164	3	2756	5	3123	5	3002	8	3213	4	2851	8	2527	8	2811	11	2984	11	2587	25	3038	13	2790	25	3495	9	2821
50	9-15 -	6	2040	0	2164	2	2758	6	3129	4	3006	7	3220	4	2855	2	2529	4	2815	8	2992	8	2595	9	3047	6	2796	23	3518	5	2826
51	16-22 -	0	2040	0	2164	0	2758	0	3129	0	3006	0	3220	0	2855	0	2529	0	2815	0	2992	0	2595	0	3047	0	2796	4	3522	0	2826
52	Dec. 23-29 -	0	2040	0	2164	0	2758	0	3129	0	3006	0	3220	0	2855	2	2531	0	2815	0	2992	10	2605	9	3056	4	2800	6	3528	2	2828

NOTE.—The method of computing Accumulated Temperature is explained in the Guide to the Tables of the Weekly Weather Report.

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED COLD BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1917.

1917.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
Weeks.																															
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.
DAY-DEGREES BELOW 42° FAHRENHEIT—1917.																															
	1917.																														
1	Dec. 31-Jan. 6	22	22	24	24	4	4	2	2	3	3	0	0	7	7	3	3	0	0	0	0	0	0	0	0	1	1	0	0	4	4
2	Jan. 7-13 -	41	63	55	79	46	50	45	47	45	48	34	34	45	52	37	40	33	33	26	26	27	27	29	29	30	31	9	9	38	42
3	14-20 -	53	116	61	140	55	105	57	104	67	115	55	89	59	111	49	89	57	90	60	86	55	82	67	96	58	89	30	39	58	100
4	Jan. 21-27 -	47	163	65	205	64	169	78	182	86	201	79	168	74	185	62	151	74	164	76	162	57	139	51	147	64	153	48	87	69	169
5	Jan. 28-Feb. 3	57	220	67	272	69	238	89	271	88	289	93	261	81	266	62	213	75	239	85	247	66	205	67	214	71	224	62	149	76	245
6	Feb. 4-10 -	55	275	75	347	102	340	97	368	113	402	35	356	96	362	62	275	95	334	92	339	59	264	68	282	75	299	50	199	86	331
7	11-17 -	48	323	67	414	60	400	50	418	62	464	43	399	57	419	60	335	57	391	48	387	43	307	34	316	48	347	26	225	52	383
8	18-24 -	20	343	30	444	32	432	29	447	27	491	20	419	28	447	19	354	25	416	11	398	13	320	8	324	15	362	3	228	22	405
9	Feb. 25-Mar. 3	11	354	30	474	29	461	29	476	30	521	28	447	29	476	21	375	22	438	20	418	9	329	7	331	16	378	5	233	22	427
	Winter Totals	487		668		634		637		742		598		656		510		601		559		458		481		523		269		589	
10	Mar. 4-10 -	64	418	92	566	77	538	69	545	74	595	51	498	73	549	69	444	68	506	36	454	46	375	31	362	50	428	23	256	62	489
11	11-17 -	30	448	44	610	35	573	34	579	34	629	23	521	34	583	32	476	30	536	14	468	19	394	18	380	23	451	4	260	28	517
12	18-24 -	27	475	32	642	32	605	36	615	38	667	36	557	35	618	28	504	28	564	31	499	15	409	13	393	23	474	19	279	29	546
13	Mar. 25-31 -	37	512	36	678	34	639	40	655	38	705	34	591	36	654	33	537	29	593	33	532	30	439	28	421	31	505	20	299	34	580
14	April 1-7 -	64	576	72	750	64	703	44	699	50	755	41	632	54	708	56	593	55	648	40	572	47	486	39	460	47	552	26	325	50	630
15	8-14 -	49	625	53	803	36	739	38	738	40	795	35	667	41	749	39	632	34	682	31	603	38	524	32	492	35	587	21	346	38	668
16	15-21 -	26	651	32	835	26	765	26	764	17	812	13	680	23	772	14	646	12	694	12	615	10	534	9	501	11	598	1	347	17	685
17	April 22-28 -	4	655	4	839	6	771	16	780	7	819	13	693	9	781	3	649	2	696	4	619	1	535	0	501	2	600	0	347	6	691
18	April 29-May 5	5	660	8	847	0	771	0	780	2	821	0	693	2	783	3	652	0	696	0	619	0	535	0	501	0	600	0	347	1	692
19	May 6-12 -	23	683	27	874	10	781	6	786	10	831	0	693	10	793	11	663	7	703	0	619	1	536	0	501	4	604	0	347	7	699
20	13-19 -	1	684	7	881	0	781	0	786	0	831	0	693	1	794	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
21	20-26 -	0	684	0	881	0	781	0	786	0	831	0	693	0	794	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
22	May 27-June 2	0	684	0	881	0	781	0	786	0	831	0	693	0	794	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
	Spring Totals	330		407		320		310		310		246		319		288		265		201		207		170		226		114		272	
23	June 3-9 -	0	684	0	881	0	781	0	786	0	831	0	693	0	794	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
24	10-16 -	0	684	0	881	0	781	0	786	0	831	0	693	0	794	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
25	17-23 -	0	684	0	881	0	781	0	786	0	831	0	693	0	794	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
26	June 24-30 -	0	684	3	884	0	781	0	786	0	831	0	693	1	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
27	July 1-7 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
28	8-14 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
29	15-21 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
30	July 22-28 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	563	0	703	0	619	0	536	0	501	0	604	0	347	0	699
31	July 29-Aug. 4	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
32	Aug. 5-11 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
33	12-18 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
34	19-25 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
35	Aug. 26-Sept. 1	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
	Summer Totals	0		3		0		0		0		0		1		0		0		0		0		0		0		0		0	
36	Sept. 2-8 -	0	684	0	884	0	781	0	786	0	831	0	695	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
37	9-15	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
38	16-22 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
39	Sept. 23-29 -	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
40	Sept. 30-Oct. 6	0	684	0	884	0	781	0	786	0	831	0	693	0	795	0	663	0	703	0	619	0	536	0	501	0	604	0	347	0	699
41	Oct. 7-13 -	23	707	31	915	14	795	11	797	12	843	6	699	15	810	14	677	7	710	1	620	7	543	1	502	6	610	0	347	11	710
42	14-20 -	9	716	17	932	13	808	11	808	16	859	10	709	13	823	11	688	6	716	7	627	7	550	5	507	7	617	0	347	10	720
43	Oct. 21-27 -	20	736	25	957	10	818	9	817	11	870	4	713	12	835	11	699	5	721	0	627	9	559	4	511	6	623	0	347	9	729
44	Oct. 28-Nov. 3	28	764	35	992	12	830	12	829	11	881	4	717	15	850	21	720	5	726	2	629	12	571	6	517	9	632	0	347	12	741
45	Nov. 4-10 -	12	776	23	1015	7	837	11	840	8	889	6	723	11	861	6	726	1	727	0	629	5	576	1	518	3	635	0	347	7	748
46	11-17 -	3	779	9	1024	11	848	18	858	17	906	15	738	14	873	4	730	6	733	8	637	3	579	1	523	5	640	0	347	10	758
47	18-24 -	0	779	0	1024	0	848	0	858	0	906	0	738	0	875	0	730	0	733	0	637	0	579	0	523	0	640	0	347	0	758
48	Nov. 25-Dec. 1	14	793	12	1036	0	848	2	860	1	907	0	738	3	878	0	730	0	733	0	637	0	579	0	523	0	640	0	347	1	759
	Autumn Totals	109		152		67		74		76		45		83		67		30		18		43		22		36		0		60	
49	Dec. 2-8 -	32	825	38	1074	35	883	42	902	40	947	37	775	38	916	25	755	23	756	28	665	22	601	11	534	22	662	6	353	30	789
50	9-15 -	31	856	41	1115	26	919	32	934	36	983	29	804	35	951	32	787	30	786	27	692	28	629	32	566	30	692	3	356	32	821
51	16-22 -	57	913	67	1182	55	974	69	1003	76	1059	67	871	67	1018	52	839	48	834	75	747	41	670	37	603	47	739	21	377	57	878
52	Dec. 23-29 -	26	939	35	1217	39	1013	56	1059	49	1108	50	921	46	1064	33	872	29	863	35	782	22	692	28	631	29	768	19	396	38	916

NOTE.—The method of computing Accumulated Temperature is explained in the Guide to the Tables of the Weekly Weather Report.

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE REGISTERED IN EACH DISTRICT DURING THE YEAR 1917.

1917.		0. Scotland, N.		Eastern Districts.										Western Districts.												11. English Channel.		Means for Districts 1–10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.
	NUMBERS OF HOURS OF BRIGHT SUNSHINE—1917.																												
	1917.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
1	Dec. 31-Jan. 6	3	3	8	8	12	12	12	12	7	7	11	11	10	10	7	7	5	5	10	10	7	7	9	9	8	8	12	12	9	9
2	Jan. 7-13 -	4	7	4	12	4	16	7	19	6	13	7	18	6	16	13	20	16	21	12	22	11	18	13	22	13	21	10	22	10	19
3	14-20 -	7	14	2	14	1	17	3	22	1	14	2	20	2	18	9	29	5	26	17	39	14	32	16	38	12	33	8	30	7	26
4	Jan. 21-27 -	13	27	5	19	1	18	2	24	2	16	12	32	4	22	5	34	7	33	5	44	5	37	4	42	5	38	5	35	4	30
5	Jan. 28-Feb. 3	7	34	10	29	9	27	1	25	5	21	10	42	7	29	5	39	10	43	18	62	5	42	11	53	10	48	16	51	9	39
6	Feb. 4-10 -	12	46	28	57	23	50	27	52	20	41	34	76	26	55	20	59	22	65	41	103	24	66	35	88	26	76	46	97	27	66
7	11-17 -	25	71	22	85	9	59	11	63	6	47	17	93	14	69	20	79	20	85	15	118	20	86	20	108	19	95	19	116	16	82
8	18-24 -	5	76	4	89	1	60	2	65	2	49	1	94	2	71	3	82	4	89	4	122	11	97	11	119	7	102	7	123	5	87
9	Feb. 25-Mar. 3	20	96	25	114	19	79	16	81	12	61	14	108	17	88	13	95	8	97	8	130	12	109	8	127	10	112	20	143	13	100
	Winter Totals	109		145		111		106		85		140		117		135		139		188		161		178		160		206		139	
10	Mar. 4-10 -	17	113	15	129	9	88	12	93	10	71	14	122	12	100	6	101	10	107	16	146	13	122	9	136	11	123	14	157	12	112
11	11-17 -	15	128	30	159	29	117	13	106	21	92	15	137	22	122	33	134	31	138	29	175	28	150	24	160	29	152	30	187	25	137
12	18-24 -	11	139	20	179	27	144	29	135	24	116	35	172	27	149	28	162	32	170	41	216	27	177	34	194	32	184	39	226	30	167
13	Mar. 25-31 -	17	156	32	211	31	175	23	158	26	142	21	193	27	176	37	199	31	201	36	252	28	205	31	225	33	217	30	256	30	197
14	April 1-7 -	37	193	37	248	28	203	33	191	34	176	32	225	33	209	31	230	33	234	41	293	33	238	31	256	34	251	44	300	34	231
15	8-14 -	29	222	29	277	32	235	32	223	38	214	38	263	34	243	27	257	30	264	42	335	27	265	29	295	33	284	48	348	34	265
16	15-21 -	27	249	27	304	34	269	32	255	36	250	33	296	32	275	29	286	35	299	47	382	18	283	36	331	33	317	55	403	32	297
17	April 22-28 -	9	258	16	320	21	290	35	290	17	267	45	341	27	302	32	318	29	328	48	430	16	299	36	367	32	349	71	474	30	327
18	April 29-May 5	46	304	50	370	48	338	54	344	49	316	67	408	54	356	52	370	60	388	78	508	54	353	64	431	62	411	83	557	58	385
19	May 6-12 -	21	325	18	388	45	383	71	415	53	369	61	469	50	406	29	399	53	441	54	562	33	386	43	474	42	453	40	597	46	431
20	13-19 -	46	371	32	420	23	406	22	437	24	393	21	490	24	430	23	422	19	460	24	586	25	411	19	493	22	475	37	634	23	454
21	20-26 -	29	400	23	443	37	443	50	487	33	426	46	536	38	468	18	440	27	487	31	617	24	435	22	515	24	499	45	679	31	485
22	May 27-June 2	36	436	51	494	59	502	69	556	45	471	54	590	56	524	47	487	40	527	34	651	34	469	47	562	40	539	45	724	48	533
	Spring Totals	340		380		423		475		410		482		434		392		430		521		360		435		428		581		431	
23	June 2-9 -	33	469	43	537	52	554	69	625	55	526	76	666	59	583	37	524	53	580	61	712	26	495	26	588	41	580	72	796	50	583
24	10-16 -	40	509	61	598	72	626	73	698	74	600	70	736	70	653	61	585	70	650	68	781	38	533	39	627	55	635	67	863	62	645
25	17-23 -	34	543	38	636	43	669	50	748	38	638	48	784	43	696	39	624	42	692	44	825	36	569	42	669	41	676	65	928	42	687
26	June 24-30	58	601	58	704	39	708	23	771	23	664	27	811	37	733	65	689	55	747	36	861	74	643	63	732	59	735	39	967	48	735
27	July 1-7 -	54	655	61	765	56	764	65	836	58	722	58	869	60	793	70	759	75	822	51	912	62	705	44	776	60	795	36	1003	60	795
28	8-14 -	41	696	35	800	46	810	53	889	46	768	51	920	46	839	43	802	57	879	57	969	46	737	43	819	49	844	62	1065	48	843
29	15-21 -	48	744	51	851	47	857	52	941	46	814	52	972	50	889	55	857	53	932	39	1008	32	783	37	856	43	887	45	1110	46	889
30	July 22-28 -	39	783	46	897	46	903	58	999	41	855	51	1023	48	937	29	886	38	970	29	1037	14	797	20	876	26	913	55	1165	37	926
31	July 29-Aug. 4	45	828	21	918	12	915	7	1006	5	860	3	1026	10	947	48	934	29	999	44	1081	74	871	72	948	53	966	29	1194	32	958
32	Aug. 5-11 -	47	875	20	938	31	946	36	1042	31	891	38	1064	31	978	32	966	30	1029	39	1120	29	900	30	978	32	998	46	1240	31	989
33	12-18 -	29	904	26	964	34	980	46	1088	37	928	51	1115	39	1017	30	996	28	1057	39	1159	18	918	38	1016	31	1029	56	1296	35	1024
34	19-25 -	19	923	28	990	43	1023	54	1142	43	971	56	1171	44	1061	28	1024	36	1093	31	1190	20	938	27	1043	28	1057	62	1358	36	1060
35	Aug. 26-Sept. 1	9	932	9	999	20	1043	21	1166	20	991	20	1191	19	1080	16	1040	13	1106	22	1212	19	957	25	1068	19	1076	30	1388	19	1079
	Summer Totals	496		505		541		610		520		601		556		553		579		561		488		506		537		684		516	
36	Sept. 2-8 -	14	946	28	1027	48	1091	56	1222	48	1039	51	1242	46	1126	30	1070	34	1140	45	1257	26	983	28	1096	33	1109	48	1436	40	1119
37	9-15 -	31	977	44	1071	35	1126	38	1260	26	1065	40	1282	37	1163	31	1101	32	1172	26	1283	25	1008	23	1119	27	1136	37	1473	22	1151
38	16-22 -	26	1003	37	1108	28	1154	28	1288	22	1087	26	1308	28	1191	29	1130	22	1194	16	1299	30	1038	30	1149	25	1161	32	1505	26	1177
39	Sept. 23-29 -	12	1015	13	1121	22	1176	37	1325	26	1113	40	1348	28	1219	5	1135	18	1212	21	1320	6	1044	10	1159	12	1173	43	1548	20	1197
40	Sept. 30-Oct. 6	14	1029	23	1144	39	1215	43	1368	40	1153	42	1390	37	1256	21	1156	31	1243	34	1354	21	1065	22	1181	26	1199	38	1586	31	1208
41	Oct. 7-13 -	13	1042	18	1162	25	1240	27	1395	17	1170	20	1410	22	1278	19	1175	17	1260	16	1370	20	1085	21	1202	19	1218	15	1601	21	1249
42	14-20 -	15	1057	28	1190	32	1272	32	1427	26	1196	33	1443	30	1308	19	1194	23	1283	27	1397	16	1101	20	1222	21	1239	34	1635	26	1275
43	Oct. 21-27 -	10	1067	26	1216	29	1301	40	1467	26	1222	37	1480	31	1339	19	1213	15	1298	26	1423	22	1123	31	1253	23	1262	32	4667	27	1302
44	Oct. 28-Nov. 3	14	1081	16	1232	12	1313	18	1485	15	1237	18	1498	16	1355	8	1121	7	1305	12	1435	14	1137	11	1264	11	1273	13	1680	13	1315
45	Nov. 4-10 -	9	1090	17	1249	18	1331	20	1505	19	1256	21	1519	19	1374	17	1238	16	1321	19	1454	13	1150	16	1280	16	1289	18	1698	17	1332
46	11-17 -	7	1097	12	1261	18	1349	13	1518	10	1266	12	1531	13	1387	12	1250	15	1336	9	1463	12	1162	15	1295	13	1301	19	1717	13	1345
47	18-24 -	2	1099	7	1268	10	1359	9	1527	10	1276	7	1538	8	1395	3	1253	2	1338	3	1466	1	1163	1	1296	2	1303	4	1721	5	1350
48	Nov. 25-Dec. 1	1	1100	11	1279	12	1371	17	1544	12	1288	16	1554	13	1408	5	1258	5	1343	9	1475	3	1166	6	1302	5	1308	12	1733	9	1359
	Autumn Totals	168		280		328		378		297		363		328		218		237		263		209		234		233		345		280	
49	Dec. 2-8 -	2	1103	13	1292	17	1388	23	1567	16	1304	23	1577	18	1426	9	1267	9	1352	13	1488	6	1172	7	1309	9	1317	15	1748	13	1378
50	9-15 -	5	1107	15	1307	15	1403	9	1576	11	1315	11	1588	12	1438	12	1279	12	1364	17	1505	12	1184	14	1323	14	1331	16	1764	13	1385
51	16-22 -	6	1113	9	1316	9	1412	16	1592	6	1321	13	1601	10	1448	10	1289	7	1371	18	1523	11	1195	9	1332	11	1342	12	1776	10	1395
52	Dec. 23-29 -	3	1116	5	1321	6	1418	10	1602	9	1330	15	1616	9	1457	5	1294	8	1379	16	1539	3	1198	8	1340	8	1350	15	1791	9	1404

NOTE.—The Duration of Bright Sunshine is taken from the records of the Campbell-Stokes Sunshine Recorder.

TABLE VI.—SHOWING FOR THE YEAR 1917 THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION**.

1917.		0. Scotland, N.		Eastern Districts.										Western Districts.													
				1. Scotland, E.		2. England, N.E.		3. England E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1–10 combined.	
No. of Week.	Weeks. Limiting Dates of each week.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.	For the Week.	From Dec. 31, 1916.
	PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1917.																														
	1917.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	Dec. 31-Jan. 6	5	5	17	17	24	24	23	23	14	14	20	20	20	20	15	15	10	10	18	18	14	14	17	17	15	15	22	22	18	18
2	Jan. 7-13 -	8	7	8	13	8	16	13	18	10	12	13	17	10	15	26	20	11	20	21	19	21	18	25	19	21	19	15	18	15	17
3	14-20 -	14	9	4	9	2	11	4	13	2	8	4	12	3	11	16	19	9	16	30	23	26	21	28	23	22	20	13	17	13	15
4	Jan. 21-27 -	25	13	8	9	1	8	4	11	3	7	29	14	7	10	8	16	12	15	8	19	8	17	7	19	9	17	8	22	8	14
5	Jan. 28-Feb. 3	13	13	17	11	14	10	1	9	8	7	17	15	11	10	8	15	17	16	29	21	8	15	13	19	16	17	25	17	13	13
6	Feb. 4-10 -	21	15	46	18	36	15	42	15	32	12	52	22	42	16	33	18	35	19	63	29	38	19	54	25	45	22	69	26	44	19
7	11-17 -	39	19	45	22	14	14	16	15	8	11	26	22	22	17	31	20	30	21	22	28	30	21	30	26	29	23	28	26	26	20
8	Feb. 18-24 -	8	17	6	20	1	12	2	13	2	10	1	19	2	15	4	18	6	19	6	25	16	20	16	25	10	21	10	24	6	18
9	Feb. 25-Mar. 3	28	19	34	22	26	14	21	14	16	11	19	19	23	16	18	18	11	18	10	23	16	20	11	23	13	20	27	25	18	18
	Winter Percentages.	15		19		15		13		11		18		15		18		17		24		21		23		21		26		18	
10	Mar. 4-10 -	22	19	19	21	11	14	15	14	12	11	18	19	15	16	8	17	13	17	21	23	17	19	12	21	14	19	18	24	15	18
11	11-17 -	18	19	38	23	36	16	16	15	26	13	18	19	27	17	41	19	39	20	35	24	35	21	29	22	36	21	37	25	31	19
12	18-24 -	14	18	24	23	32	18	35	17	29	14	42	21	32	19	34	21	38	22	49	27	33	22	40	24	39	23	46	27	36	21
13	Mar. 25-31 -	20	19	36	25	36	20	26	18	29	16	25	22	30	20	42	23	35	23	41	28	31	23	35	25	37	24	34	28	33	22
14	April 1-7 -	41	21	40	26	31	21	36	19	38	18	35	23	36	21	34	24	37	24	45	30	36	25	34	26	37	26	49	30	37	23
15	8-14 -	30	22	31	27	34	22	34	20	40	20	41	25	36	23	28	24	32	25	45	31	29	25	41	27	35	26	51	32	35	25
16	15-21 -	27	22	27	27	34	23	32	22	37	21	34	25	33	24	29	25	36	26	49	32	18	24	37	28	31	27	57	34	34	25
17	April 22-28 -	8	21	15	26	21	23	35	23	17	21	45	27	27	24	31	25	29	26	48	34	15	24	36	29	32	28	72	37	29	26
18	April 29-May 5	42	23	47	27	46	25	52	25	48	23	66	30	52	26	49	27	57	28	76	37	52	26	61	31	59	30	82	40	56	28
19	May 6-12 -	19	22	16	27	42	26	67	28	49	25	58	32	46	28	27	27	49	30	52	38	31	26	40	32	40	31	38	40	43	30
20	13-19 -	40	24	28	27	21	26	21	27	22	25	19	31	22	27	21	27	17	29	23	37	22	26	17	31	20	30	35	40	21	28
21	20-26 -	22	24	20	26	33	26	45	29	29	25	41	31	34	27	15	26	23	29	28	36	22	26	20	30	22	29	42	40	28	28
22	May 27-Jun. 2	30	24	43	27	51	28	61	31	39	26	48	32	48	29	40	27	35	29	30	36	29	26	41	31	37	30	41	40	42	30
	Spring Percentages.	26		30		33		37		32		38		34		31		34		42		28		34		34		46		34	
23	June 3-9 -	27	24	36	28	45	29	61	32	48	27	67	35	51	30	31	27	45	30	54	37	22	26	23	30	35	30	65	41	43	30
24	10-16 -	33	25	50	29	62	31	64	34	65	29	61	36	60	32	51	29	60	32	61	38	32	26	34	31	48	31	60	42	51	31
25	17-23 -	27	25	32	29	36	31	43	35	33	29	42	36	37	32	32	29	35	32	39	38	30	26	36	31	34	31	58	43	36	32
26	June 24-30 -	47	26	56	31	33	31	20	34	23	29	24	36	31	32	53	30	37	33	32	38	63	28	55	32	48	32	35	43	39	32
27	July 1-7 -	44	27	50	32	48	32	57	35	51	30	51	36	51	33	59	32	64	34	45	38	52	29	38	32	52	33	32	42	52	33
28	8-14 -	34	27	29	32	40	32	47	35	40	31	44	37	40	33	37	32	49	35	51	39	39	30	38	33	43	34	56	43	41	34
29	15-21 -	40	28	43	32	41	33	46	36	41	31	47	37	43	34	48	33	46	35	35	39	28	30	33	32	38	34	41	43	41	34
30	July 22-28 -	33	28	40	32	41	33	52	37	38	31	47	38	44	34	26	32	34	35	27	38	12	29	18	32	23	33	51	43	34	34
31	July 29-Aug. 4	40	28	19	32	11	32	6	35	5	30	3	36	9	33	43	33	27	35	41	38	68	30	67	33	49	34	28	42	29	34
32	Aug. 5-11 -	43	29	19	31	29	32	34	35	29	30	37	36	30	33	30	32	28	35	38	38	27	30	29	33	30	34	45	43	30	33
33	12-18 -	24	29	25	31	33	32	45	36	36	30	51	37	38	33	28	32	28	35	39	38	31	30	38	33	33	34	56	43	36	33
34	19-25 -	19	29	25	31	42	32	51	36	43	31	57	37	44	33	28	32	36	35	32	38	20	30	27	33	29	34	63	44	36	33
35	Aug. 26-Sept. 1	9	28	9	30	20	32	25	36	21	31	21	37	19	33	16	32	14	34	23	38	20	29	26	33	20	33	31	43	20	33
	Summer Percentages.	32		33		37		43		36		42		38		37		39		40		34		36		37		48		38	
36	Sept. 2-8 -	15	28	29	30	52	33	61	37	52	31	56	37	50	34	32	32	36	34	49	38	28	29	30	33	35	33	52	43	42	34
37	9-15 -	35	28	48	31	39	33	43	37	29	31	45	38	41	34	34	32	36	34	29	38	28	29	26	33	31	33	41	43	36	34
38	16-22 -	30	28	43	31	33	33	33	37	25	31	31	37	33	34	34	32	26	34	19	37	35	29	34	33	30	33	37	43	32	34
39	Sept. 23-29 -	15	28	15	31	26	33	45	37	31	31	47	38	33	34	6	31	21	34	26	37	7	29	12	32	14	33	52	43	23	33
40	Sept. 30-Oct. 6	18	28	29	31	49	33	54	37	50	31	52	38	47	34	26	31	39	34	42	37	26	29	27	32	32	32	48	43	40	33
41	Oct. 7-13 -	16	27	24	31	33	33	36	37	22	31	26	38	28	34	25	31	22	33	21	37	26	29	28	32	24	32	19	43	26	33
42	14-20 -	21	27	39	31	44	33	45	37	36	31	45	38	42	34	27	31	32	33	36	37	22	29	27	32	29	32	47	43	35	33
43	Oct. 21-27 -	15	27	39	31	41	33	57	38	37	31	53	38	45	34	28	31	22	33	38	37	31	29	45	32	33	32	45	43	39	33
44	Oct. 28-Nov. 3	23	27	25	31	18	33	27	38	24	31	26	38	24	34	12	31	10	33	18	36	22	28	16	32	16	32	19	43	20	33
45	Nov. 4-10 -	16	27	29	31	29	33	33	37	29	31	34	38	31	34	23	31	26	33	29	36	21	28	25	32	26	32	27	43	29	33
46	11-17 -	11	26	22	31	30	33	22	37	17	31	20	38	22	34	21	30	26	33	15	36	21	28	25	32	22	32	31	42	22	33
47	18-24 -	3	26	12	30	17	33	16	37	17	31	12	37	15	34	6	30	4	32	5	35	3	28	2	31	4	31	7	42	10	33
48	Nov. 25-Dec. 1	2	26	21	30	23	33	31	37	22	31	29	37	25	34	9	30	9	32	16	35	6	28	11	31	10	31	21	42	17	33
	Autumn Percentages.	17		29		33		39		30		37		34		22		24		26		21		24		23		34		29	
49	Dec. 2-8 -	5	26	27	30	32	33	42	37	29	31	43	37	35	34	18	30	17	32	23	35	12	27	13	31	17	31	27	41	26	32
50	9-15 -	11	26	32	30	28	33	18	37	21	31	20	37	24	34	23	30	23	32	31	35	24	27	26	31	25	31	29	41	25	32
51	16-22 -	14	25	20	30	18	32	30	37	12	30	25	37	21	33	19	30	14	31	33	35	23	27	18	31	21	31	22	41	21	32
52	Dec. 23-29 -	7	25	12	30	12	32	18	36	17	30	29	37	18	33	11	29	15	31	30	35	7	27	15	30	16	30	28	41	17	32

Meteorological Office,
South Kensington, London, S.W.7,

June 28th, 1918.